LG

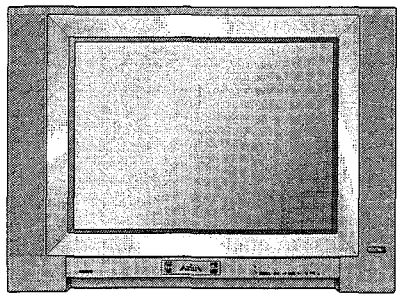
COLOR TV
SERVICE MANUAL

CHASSIS : MC-035B

MODEL:RT-29FB90RB

CAUTION

BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



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SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ⚠ in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **Isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitary that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this TV receiver is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube**. Do not lift the Picture tube by it's Neck.

X-RAY Radiation

Warning:

The source of X-RAY RADIATION in this TV receiver is the High Voltage Section and the Picture Tube.
For continued X-RAY RADIATION protection, the replacement tube must be the same type tube as specified in the Replacement Parts List.

To determine the presence of high voltage, use an accurate high impedance HV meter.

Adjust brightness, color, contrast controls to minimum.
Measure the high voltage.
The meter reading should indicate
23.5 ± 1.5KV: 14-19 inch, 26 ± 1.5KV: 19-21 inch,
29.0 ± 1.5KV: 25-29 inch, 30.0 ± 1.5KV: 32 inch
If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.

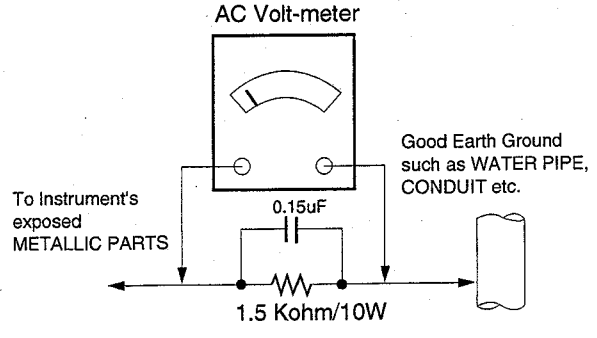
Before returning the receiver to the customer,

always perform an **AC leakage current check** on the exposed metallic parts of the cabinet, such as antennas, terminals, etc., to be sure the set is safe to operate without damage of electrical shock.

Leakage Current Cold Check(Antenna Cold Check)
With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on positioin, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.
If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.
When the exposed metal has no return path to the chassis the reading must be infinite.
An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)
Plug the AC cord directly into the AC outlet.
Do not use a line Isolation Transformer during this check.
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.
Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each esposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.
In case any measurement is out of the limits sepcified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



SPECIFICATIONS

Note : Specification and others are subject to change without notice for improvement.

• General Specification

No.	Item	Specification
1	Receiving Broadcasting Method	PAL/SECAM-B/G, D/K PAL I/I,SECAM L/L'(option) NTSC M(option)
2	AV Receiving System	NTSC M/PB,PAL BG,DK,I SECAM BG, DK
3	Receiving Channel	VHF: E2~E12 UHF: E21~E69 CATV: S1~S20 HYPER: S21~S41 L/L': B,C,D(option)
4	Input Voltage	AC 110-240V/50Hz,60Hz(NON-EU) AC 230V/50Hz(EU)
5	Screen Size	FLAT 29" , WIDE 32"/28"
6	Tuning System	FVS 100 program/200PR.(w/o txt)

- Power requirement : AC110-240V, 50/60Hz(RT model)
  AC230V,50Hz (RZ model)
- Power consumption : Max 165W
- CPT : Flat CPT

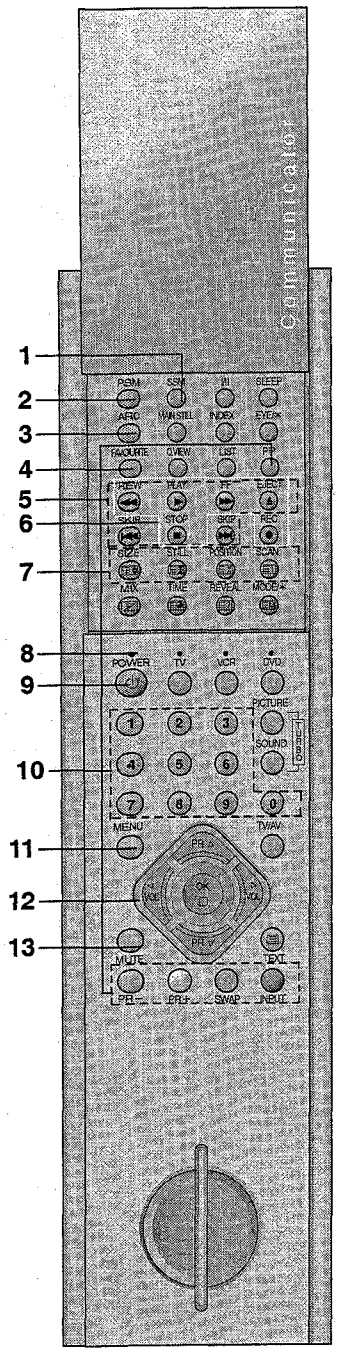
• Feature and Function

No.	Item	Specification
1	Teletext	TOP,FLOF 2000 page(option)
2	REMOCON	LG code
3	AV input	4(Side or Front:1 Rear:3)
4	Component input	2(Rear:option)
5	PERI TV connector	Full SCART:1 (AV1:option)
6	RGB input	1(AV1:option)
7	2 Carrier Stereo	BG,DK
8	NICAM Stereo	BG,I,L(RZ model option)
9	2 Carrier Dual	BG,DK
10	NICAM Dual	BG,I,L(RZ model option)
11	SSC(Split Screen) Mode	O
12	Multi Picture Display Mode	O
13	Film Mode	O
14	Noise Reduction	O
15	Progressive Scan	O
16	Motion Detection	O
17	Swivel Speaker	O(option-29FB90)
18	Digital Eye	O

• External Interface Regulation

No.	Item	Min	Typ	Max	Unit	Remark
1	Video input level	0.85	1	1.15	Vpp	0.85
2	Video input frequency response	3.0			MHz	3.0
3	Video input S/N	40			dB	40
4	Audio input level	0.4	0.5	0.6	V	0.4
5	Audio input frequency response	0.1		7	kHz	0.1
6	Audio input S/N	43			dB	43
7	Audio input distortion			2	%	
8	Audio input dynamic range	2			V	2
9	Video output level	0.85	1	1.15	Vpp	0.85
10	Video output frequency response	3.8			MHz	3.8
11	Video output S/N	40			dB	40
12	Audio output level	0.4	0.5	0.6	V	0.4
13	Audio output frequency response	0.1		7	kHz	0.1
14	Audio output S/N	43			dB	43
15	Audio output distortion			2	%	
16	Video input level, R/G/B	0.6	0.7	0.8	Vpp	0.6
17	Video input level,	0.6	0.7	0.8	Vpp	0.6
	Component(Y,P_B,P_R)					

CONTROL DESCRIPTIONS



All the functions can be controlled with the Communicator.
Some functions can also be adjusted with the buttons on the front panel of the set.

Communicator

Before you use the Communicator, please install the batteries. See the next page.

1. **SSM (Sound Status Memory)**
   recalls your preferred sound setting.
2. **PSM (Picture Status Memory)**
   recalls your preferred picture setting.
3. **ARC (Aspect Ratio Control)**
   changes the picture format.
4. **FAVOURITE**
   selects a favourite programme.
5. **DVD BUTTONS**
   control a LG DVD.
6. **VCR BUTTONS**
   control a LG video cassette recorder.
7. **PIP BUTTONS (option)**
   PIP
   switches the sub picture on or off.
   PR +/-
   selects a programme for the sub picture.
   SWAP
   alternates between main and sub picture.
   INPUT
   selects the input mode for the sub picture.
   SIZE
   adjusts the sub picture size.
   STILL
   freezes motion of the sub picture.
   POSITION
   relocates the sub picture in clockwise direction.
   SCAN
   switches on or off the programme scan mode through 12 sub pictures.
8. **RESET**
   initialize the adjusted value.
9. **POWER**
   switches the set on from standby or off to standby.
10. **NUMBER BUTTONS**
    switches the set on from standby or directly select a number.
11. **MENU**
    selects a menu.
12. **▲ / ▼ (Programme Up/Down)**
    selects a programme or a menu item.
    switches the set on from standby.
    ◀ / ▶ (Volume Down/Up)
    adjusts the volume.
    adjusts menu settings.
    OK
    accepts your selection or displays the current mode.
13. **MUTE**
    switches the sound on or off.

14. **MAIN STILL**
freezes motion of the picture.

15. **I/II**
selects the language during dual language broadcast.
selects the sound output (option).

16. **SLEEP**
sets the sleep timer.

17. **EYE/✱ (option)**
switches the eye function on or off.

18. **INDEX**
switches LED DISPLAY on or off.

19. **Q.VIEW**
returns to the previously viewed programme.

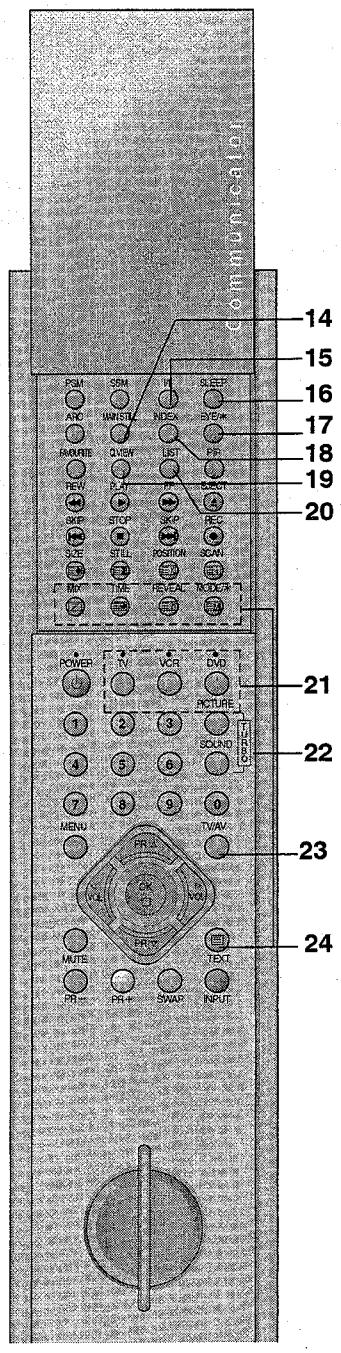
20. **LIST**
displays the programme table.

21. **TV/VCR/DVD BUTTONS**
selects the connected external equipment.

22. **TURBO PICTURE BUTTON**
selects Turbo picture.
TURBO SOUND BUTTON
selects Turbo sound.

23. **TV/AV**
selects TV or AV mode.
switches the set on from standby.

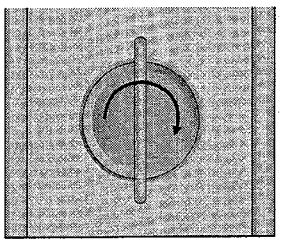
24. **TELETEXT BUTTONS (option)**
These buttons are used for teletext.
For further details, see the 'Teletext' section.



Note : *In teletext mode, the* ***PR +/-****,* ***SWAP*** *and* ***INPUT*** *buttons are used for teletext function.*

Internal generator charge

The communicator can be charged with the internal electric genera-

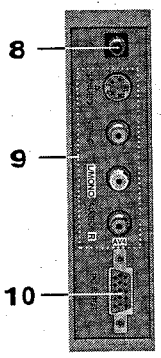


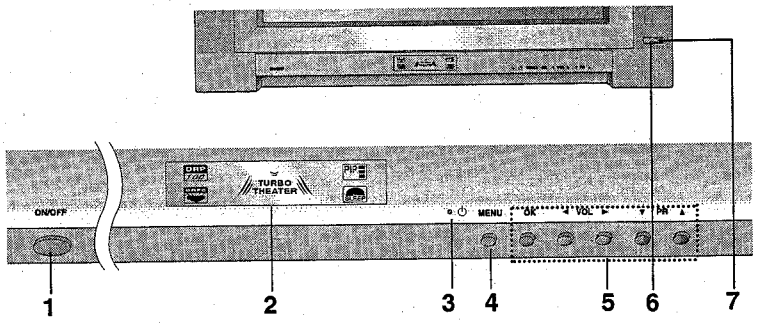
tor. To charge the communicator do the followings;

1. In first use,
   20 rotation of the handle in the arrow direction as picture below -> waiting for one minute -> 20 rotation again -> waiting for one minute again -> 20 rotation again -> beginning to use
2. In usual use

Front panel

RT-29FB90 series





Side panel

1. **MAIN POWER (ON/OFF)**
   switches the set on or off.
2. **LED (Light Emitting Diode) DISPLAY**
   illuminates brightly when the set is switched on.
   : DRP signal indicator
   : DRPC signal indicator
   : PIP input signal indicator
   : SLEEP timer indicator
   : TURBO SOUND indicator
3. **POWER/STANDBY INDICATOR**
   illuminates brightly when the set is in standby mode.
   dims when the set is switched on.
4. **MENU**
   selects a menu.
5. **OK**
   accepts your selection or displays the current mode.
   ◄ / ► (Volume Down/Up)
   adjusts the volume.
   adjusts menu settings.
   ▲ / ▼ (Programme Up/Down)
   selects a programme or a menu item.
   switches the set on from standby.
6. **REMOTE CONTROL SENSOR**
7. **EYE (option)**
   adjusts picture according to the surrounding conditions.
8. **HEADPHONE SOCKET**
   Connect the headphone plug to this socket.
9. **AUDIO/VIDEO IN SOCKETS (AV4)**
   Connect the audio/video out sockets of external equipment to these sockets.
   S-VIDEO/AUDIO IN SOCKETS (S-AV)
   Connect the video out socket of an S-VIDEO VCR to the **S-VIDEO** socket.
   Connect the audio out sockets of the S-VIDEO VCR to the audio sockets as in **AV4**.
10. **PC INPUT SOCKET (option)**
    Connect the monitor output socket of the PERSONAL COMPUTER to this socket.
    Note : *Set the resolution of PC to VGA 640x480 (60 Hz) video mode to use this set as PC monitor.*

ADJUSTMENT INSTRUCTIONS

1.Safety Precautions

1. It is safe to adjust after using insulating transformer between the power supply line and chassis input to prevent the risk of electric shock and protect the instrument.
2. Never disconnect leads while the TV receiver is on.
3. Don't short any portion of circuits while power is on.
4. The adjustment must be done by the correct appliances.
5. Unless otherwise noted, set the line voltage to 220Vac±10%.
5. The adjustment of TVshould be performed after warming up for 15 minutes.

2.DVCO Adjustment

1) This is for adjustment of VPC9407,crystal oscillator frequency after receiving a company Digital pattern. (PAL:EU05CH)
2) When entering adjustment mode by pressing IN-START key,DVCO adjustment is operating automatically. (T/X doesn't operating occassionally during DVCO adjustment.)

3. Focus Adjustment

3-1. Preparation for Adjustment

Tune the TV set to receive a digital pattern(PAL-B/G 05ch).

3-2. Adjustment Method

1) Adjust the lower Focus volume of FBT for the best focus of vertical line B.
2) Adjust the upper Focus volume of FBT for the best focus of area A.
3) Repeat above step 1) and 2) for the best overall focus.

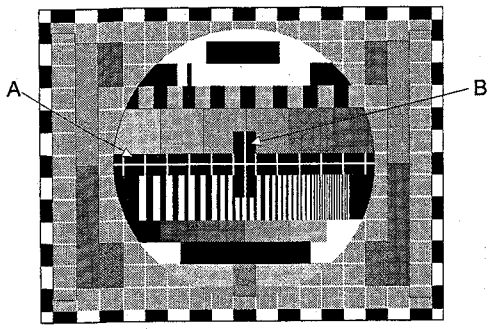


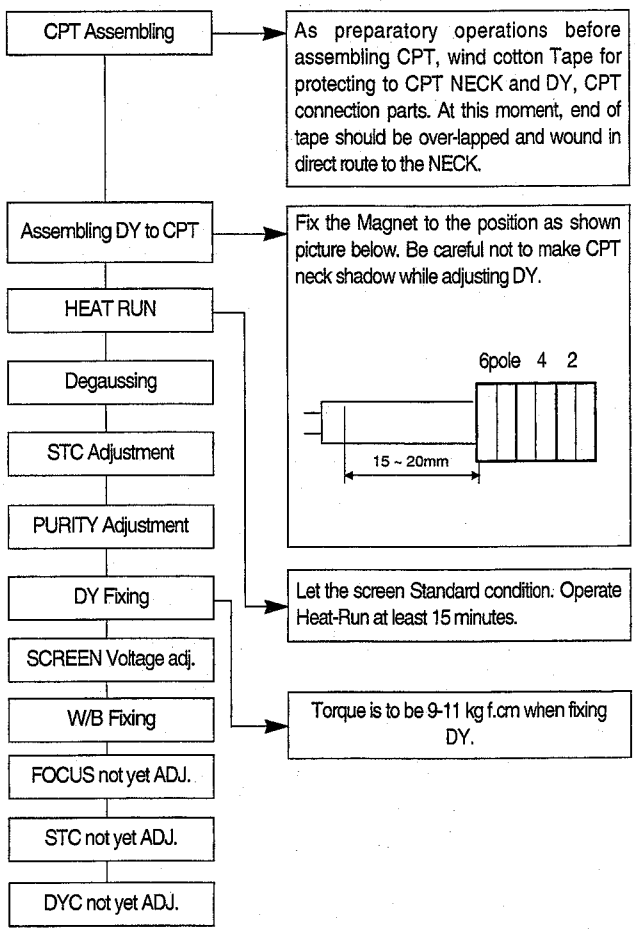
Fig. 1

4. Purity & convergence Adjustment

4-1. Preparation for Adjustment

Adjustment should be operated when using the CPT(without ITC from CPT manufacturing place)

*This adjustment must follow the sequence as shown picture below.


CPT Assembling
As preparatory operations before assembling CPT, wind cotton Tape for protecting to CPT NECK and DY, CPT connection parts. At this moment, end of tape should be over-lapped and wound in direct route to the NECK.
Assembling DY to CPT
Fix the Magnet to the position as shown picture below. Be careful not to make CPT neck shadow while adjusting DY.
6pole 4 2
15 ~ 20mm
HEAT RUN
Degaussing
STC Adjustment
PURITY Adjustment
DY Fixing
Let the screen Standard condition. Operate Heat-Run at least 15 minutes.
SCREEN Voltage adj.
W/B Fixing
Torque is to be 9-11 kg f.cm when fixing DY.
FOCUS not yet ADJ.
STC not yet ADJ.
DYC not yet ADJ.

4-2. Purity Adjustment

1) Degauss the CPT and CABINET enough.
2) Receive red RASTER signal.(PG50ch)
3) Remove fixing screw of DY and stick DY to opening part(CPT FUNNEL part)
4) Make crossing adjustment to the Magnet of CPT and make the R-land is placed on center correctly. At this moment, 4 pole and 6 pole magnet should be at the position of no magnetic field.
5) Move DY and make whole screen to be equal red, and fix the DY with fixing SCREW after checking color pollution in each single color and white RASTER of green/blue/red.(At this time, be careful about inclination and DY should be fixed keeping horizontality.)
6) Check the receiver in direction of East, West, South, North. Adjust with supporting MAGNET when adjustment is not operated.

4-3. Convergence Adjustment

This adjustment should be operated at the best condition of FOCUS after finishing the PURITY adjustment.

1) BACK RASTER receives black CROSS HATCH signal.
2) Adjust Brightness so that there are 9-12 dots.
3) Widen two tabs of 4pole Magnet with equal angles and accord red, blue vertical lines at the center of screen.
4) With keeping angle of "c. clause", rotate tab and accord red/blue, green vertical lines at the center of screen.
5) Widen two tabs of 6pole Magnet with equal angles and accord red, blue vertical lines at the center of screen.
6) With keeping angle of "e. clause", repeat the adjustment from c to e keeping in mind the movement of red, blue, green when the horizontal lines are twisted.
7) Move DY up, down, left, right and make the convergence to be optimal condition and stick rubber wedge to CPT so that the DY not to move.

5. Screen voltage Adjustment

5-1. Preparation for Adjustment

1) Connect power to TV Set and let POWER ON condition.
2) Operate screen more than 15 minutes before adjustment.

5-2. Adjustment Method

1) Adjust in no RF signal condition.
2) Press ADJ KEY on the R/C for adjustment and make horizontal line.
   Turn the Screen Volume so that horizontal line not to be shown and then change oppositely to finish the adjustment at the showing place.

6. White balance Adjustment

6-1. Preparation for Adjustment

1) This adjustment should be performed after screen voltage adjustment.
2) Tune the TV set to receive an 100% white pattern.

6-2. Adjustment Method

1) Enter the adjust mode by pressing the IN-START button.
2) Press Channel UP/DOWN button for desirous function Adjustment.
3) Press Volume UP/DOWN button to adjust the data.
4) Adjustment Sequence
   a- Change the "CONTRAST", "BRIGHT" and adjust to be 3.5 Ft_L.
   b- Adjust "Y" value of High Light with GD(G-Drive) and adjust "X" value with BD(B-Drive) and make color coordinates of High Light which is specified in "__clause".
   c- Change the "CONTRAST", "BRIGHT" and adjust to be 4.5 Ft_L.
   d- Adjust "Y" value of Low Light with GC(G-Cutoff) and adjust "X" value with BC(B-Cutoff) and make color coordinates of Low Light which is specified in "__clause".
   e- Repeat the adjustment from 'a' to 'd' until the High, Low color coordinates of "_clause" is satisfied.
   f- Check the adjusted color coordinates with white balance meter.

Color Tem.	X	Y	Memo
13000K	266±8	273±8	NON EU
9000K	288±8	295±8	EU

Menu	LG 32" WIDE		MENO
RC	001F		Low Light Adj
GC	0019		Low Light Adj
BC	001F		Low Light Adj
RD	001F		High Light Adj
GD	0019		High Light Adj
BD	001F		High Light Adj

7. Deflection Data Adjustment

7-1. Preparation for Adjustment

1) Deflection Data Adjustment should be performed with the remote controller for handset.
2) Enter the Adjustment mode by pressing the INSTART button.
3) Select the DEFLECT to deflection Data Adjustment.
4) Press the Channel UP/DOWN button to select adjustment items.
5) Press the Volume UP/DOWN button to adjust the data.
6) The TV set receives PAL-B/G Digital pattern.

NOTE : If production line doesn't the production line of LG TV,receive available deflection adjustment pattern.

VL (Vertical Linearity)
Adjust so that the boundary line between upper and lower half is in accord with geometric horizontal center of the CPT.

VA (Vertical Amplitude)
Adjust upper and lower part of circle from the effective screen of the CPT.to be distance of 6~7mm.

SC (Vertical "S" Correction)
Adjust so that all distance between each horizontal lines are to be the same.

VS--(Vertical Shift)
Adjust so that the horizontal center line of a digital circle pattern is in accord with geometric horizontal center of the CPT.

HS (Horizontal Shift)
Adjust so that the vertical center line of a digital circle pattern is in accord with geometric vertical center of the CPT.

EW (Horizontal Width)
Adjust to that a digital circle pattern looks like exact circle.

EP (East-West Parabola)
Adjust so that middle portion of the outermost left and right vertical line looks like parallel with vertical lines of the CPT.

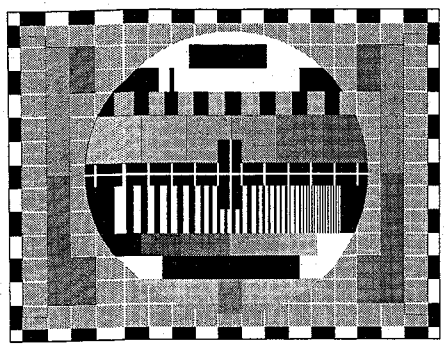


Fig. 2 <50HZ>

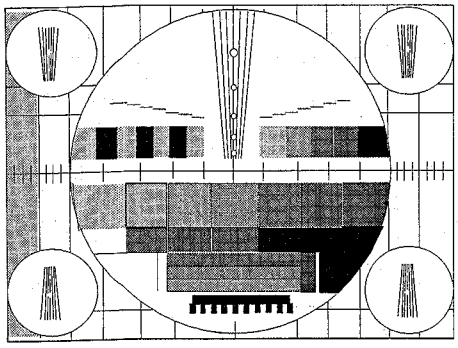


Fig. 2<60HZ>

EPP(East-West Pin Phase)
Adjust so that horizontal width of the uppermost part and horizontal width of the lowermost part of received screen are to be the same.

UC(Upper Coner Correction)
Adjust so that coner vertical line of upper-left and upper-right to be straight line after finishing EP adjustment.

LC(Lower Coner Correction)
Adjust so that coner vertical line of lower-left and lower-right to be straight line after finishing EP adjustment.

A-BOW(AFC Bow)
In line adjustment, not to change default value is basic.

A-ANG(AFC Angle)
In angle adjustment, adjust until inclination of left and right screen should be precise.

V-SCR(V-Scroll)
Only adjust when V SHIFT is impossible.

Menu	Range	PAL 100HZ	NTSC 60HZ	480P	1080I	VGA
VS	0 ~ 3F	1E	18	17	11	1D
VA	0 ~ 3F	1E	1F	1E	23	2B
HS	0 ~ 3F	1C	29	14	25	10
EW	0 ~ 3F	1D	1D	1F	2A	1C
EP	0 ~ 3F	A	C	B	E	7
EPP	0 ~ 3F	1E	1D	1B	14	22
A-ANG	0 ~ 3F	1F	1F	1D	1D	21
A-BOW	0 ~ 3F	1E	20	1E	1E	1E
UC	0 ~ 3F	1F	21	20	20	1C
LC	0 ~ 3F	1F	22	20	1F	15
U-VL	0 ~ 0F	02	2	2	2	2
L-VL	0 ~ 0F	06	7	7	7	6
VL	0 ~ 0F	05	5	5	5	5
SC	0 ~ 0F	05	4	4	4	4
V-SCR	0 ~ 3F	21	21	21	21	21

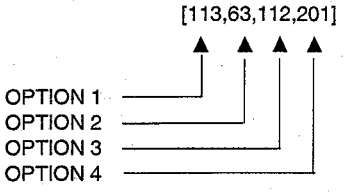
* Adjust in PAL100Hz and PAL50Hz, NTSC60Hz, 480P, 1080I, VGA Mode don't need to be adjusted because they are changed into correction about adjustment value of PAL 100Hz.

* But, If the inclination adjustment is not correct when checking NTSC60Hz, 480P, 1080I, VGA Mode after finishing adjustment in PAL100Hz, adjust each Mode again.

8. OPTION Adjustment

8-1. Preparation for Adjustment

1) This option adjustment decides funtion in accordance with model.
   Press the SVC TX adjustment button(IN-START button) at SVC mode,then adjust the option at OPTION 1,2,3,4 mode.
2) Mark the option adjustment data like [111,11,111,11] in BOM.



• Mark of BOM

LEVEL	PART NO.	SPECIFICATION	DESCRIPTION	JOB EXP.
1.	3141VMN382A	MAIN	CHASSIS ASSY	[113,63,112,201]

The OPTION 1 data is 113,OPTION 2 data is 63,the oOPTION 3 data is 112,the OPTION 4 data is 201 in this model.

8-2. Adjustment Method

1) Input data directly by the buttons corresponded with OPTION1 ??(0~255), OPTION2 ??(0~255), OPTION3 ???(0~250).
2) Option4???(0~116) controls correspondinglines directly relate with OSD and TXT LANG.
3) Select each OPTION function by the CH Up/Down button and then set up each OPTION by the VOL Up/Down button.

Table 1. OPTION 1 Function

Option	Code	Function	Remark
200 PR	0	100 PROGRAM SAVE	
	1	200 PROGRAM SAVENICAM	
TSEAR	0	Without Turbo Search function	WL/CL
	1	With Turbo Search function	CT/CE/WT/WE
I/II SV	0	NO SAVE DUAL/SOUND Condition	EU(WE/WL/CE/CL
	1	SAVE DUAL SOUND Condition	NON-EU(WT/CT)
TOP	0	FLOP TEXT	Without TOP TEXT
	1	TOP TEXT	
EYE	0	Without EYE	
	1	With EYE	
A2 ST	0	NICAM	
	1	NICAM&FM STEREO/DUAL	
SYS	0	B/G,I.D/K	
	1	B/G	
	2	B/G,I.D/K,M	
	3	RESERVED	

Table 2. OPTION 2 CODE Data

Option	Code	Function	Remark
ACMS	0	Without ACMS funtion	
	1	With ACMS funtion	
VOL	0	NORMAL VOLUME CURVE	
	1	RUSHED VOLUME CURVE	
H-PHON	0	Without HEADPHONE	
	1	With HEADPHONE	
DVD	0	Without DVD INPUT	
	1	With DVD INPUT	
SAV3	0		
	1	AV3 Y&C	
WOOF	0	Without WOOFER	
	1	With WOOFER	
VGA	0	Without VGA	
	1	With VGA	
AV SV	0		
	1		

Table 3. OPTION 3 Function

Option	Code	Function	Remark
WIDE	0	4 : 3 TV	
	1	16 : 9 TV	
CH+AU	0	Without D/K CHINA or BB sys.	
	1	With D/K CHINA or BB sys.	
HDEV	0	NO SAVE DUAL/SOUND Condition	HIGH DEVIATION
	1	SAVE DUAL SOUND Condition	
TEXT	0	WITHOUT TEXT	
	1	WITH TEXT	
DOLBY	0	WITHOUT DOLBY	
	1	WITH DOLBY	

MSP3411 Pre-scaler setting value

ITEM	DESCRIPTION	When B/G,I D/K,L apply to SCART
FP	FM Pre-scaler	001B
NP	Nicam Pre-scaler	0079
SP	Scart Pre-scaler	0017
S1 vol	Scart1 Pre-scaler	0052
S2 vol	Scart2 Pre-scaler	0052

MSP3411G B8 version DBS setting value

ITEM	DESCRIPTION	Woofer	W/O woofer
M-STR	EFFECT STRENGTH	002D	007F
M-HMC	HARMONIC CONTENT	0019	0000
M-HP	HIGH PASS CENTER FREQUENCY	0005	0002
M-LP	LOW PASS CENTER FREQUENCY	0005	001E
M-LIM	AMPLITUDE LIMIT	00FC	00FF
DBSWF	Woofer Response(effect)	Don't care	001E

Table 4. OPTION 4 Funtion

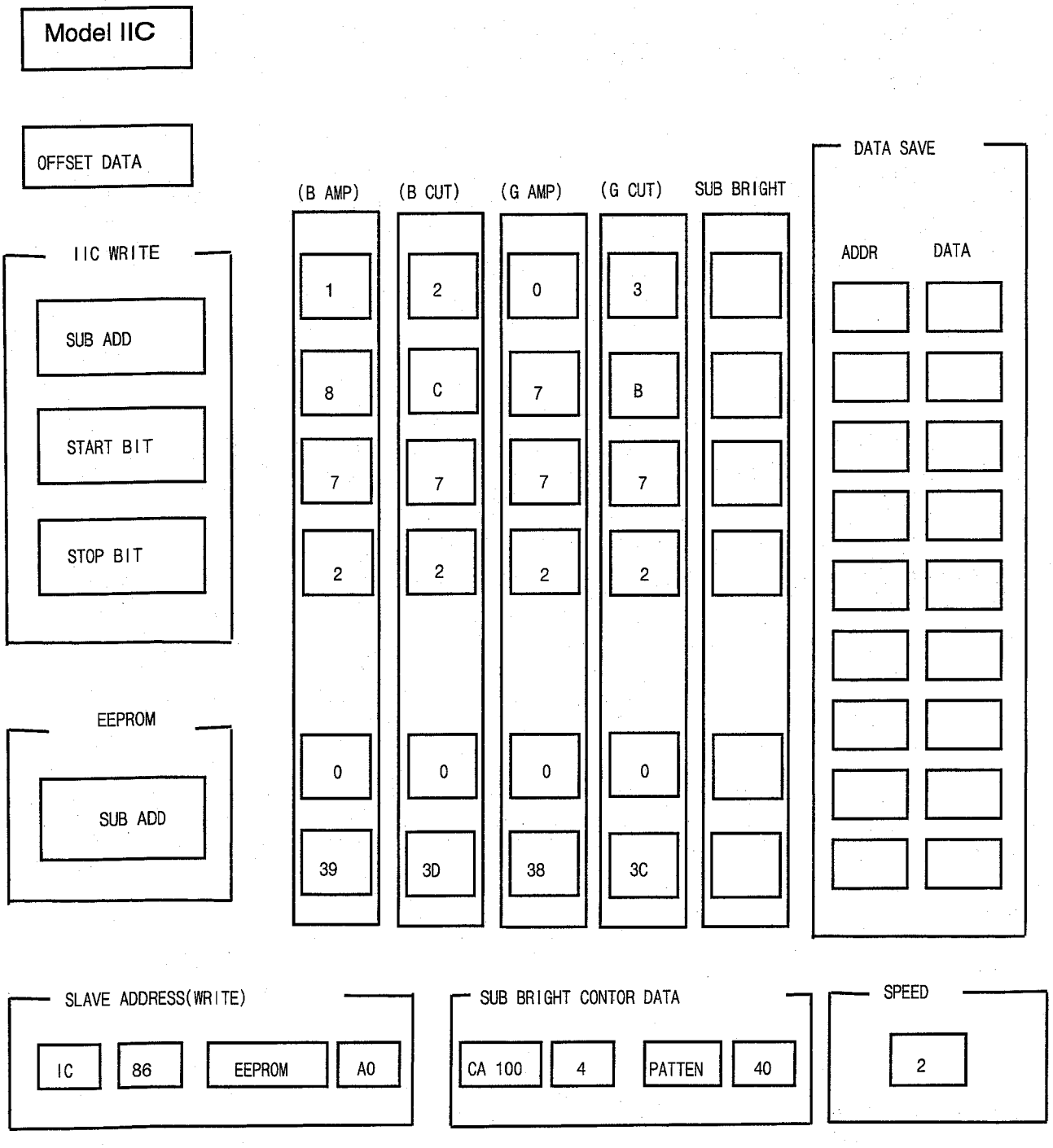
OPTION	CODE	Language	Funciton
LANG	0	E Only	
	1	English+EU 5	
	2	English+Other EU	
	3	FARSI	
	4	ARAB URDU	
	5	E + HINDI	
	6	E + I + M + V	
	7	E + THAI	
	8	E + CHINA	
T LAN	0	West Europe	
	1	East Europe	
	2	Turkey EU1	
	3	EAST EU2	
	4	Cyrillic 1	
	5	Cyrillic 2	
	6	Cyrillic 3	
	7	Turkey/Greek 1	
	8	Turkey/Greek 2	
	9	Turkey/Greek 3	
	10	Arab/France	
	11	Arab/English	
	12	Arab/Hebrew 1	
	13	Arab/Hebrew 2	
	14	Farsi/English	
	15	Farsi/France	
	16	Farsi all	

Table 5. SERVICE MODE BASIC DATA

ITEM	ITEM	RZ-29FC40RB	REMARK
2150	D-COL	2	Dynamic Color
	GAMMA	0	GAMMA-L
	COLAX	2	Color Axis
	CTILE	1	CTI LEVEL
	LTILE	2	LTI LEVEL
	GAMMA	1	RGB out GAMMA
	ABLMO	2	ABL Mode
	ABLTH	5	ABL Threshold
	VM0LE	1	VM LEVEL
	PREOV	2	PRE/OVER Shoot
	DPIC	3	Dynamic Picture
	DC-TR	2	DC Transmission
	S-CON	6	Sub-Contrast
	P-ABL	9	PEAK-ABL
	SHPF0	0	Sharpness f0
	CB-0F	1F	Cb Offset
	CB-0F	1F	CR Offset
	C-OFF	7	
	UP-BL	0	UP_VBLK
	LO-BL	0	LO-VBLK
	LRGB2	A	LRGB P_LEVEL
	VCOMP	4	V Compensation
	HCOMP	6	H Compensation
	PLMTL	0	PLIMIT_Level
	BLKBO	0	BLK_Bottom
	AGN-B	0	Black AGING
	AGN-A	0	White AGING
	AKBTM	E	AKB Timing
	EW-DC	0	EW_DRIVE
	S-ABL	3	S_ABL gain
	CTI0M	0	CTI-Mode
	LTI-M	0	LTI-mode
	SYSTM	1	SYSTEM
	ASPSW	0	ASPECT S/W
	CDOFF	0	SHP_CD ON/OFF
	CHPCD	2	Sharpness Gain
	CHPF1	2	High F0
	SYNCP	0	SYNC-PHASE
	JMPSW	0	JUMP S/W
	CLP-S	0	CLAMP SHIFT
	CLP-P	0	CLAMP PHASE
	CLP-G	0	CLAMP GATE
	VM-CO	2	VM coring level
	VM-FO	2	VM f0 setting
	VM-LM	1	VM limit level

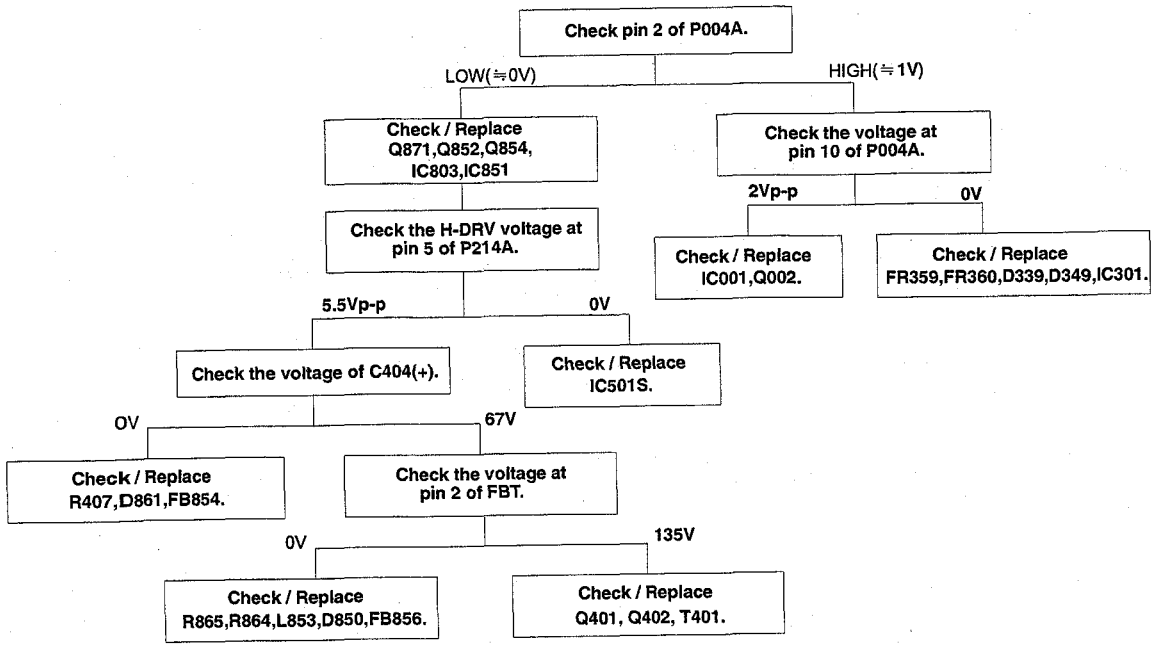
ITEM	ITEM	RZ-29FC40RB	REMARK
2150	VM-DL	3	VM phase ctrl
	BLK-0	0	Blanking on/off
	AKBOF	0	AKB ON/OFF
	VSAWO	0	VSAWO Waveform
	UP-UP	0	EW_DRV TOP COMP
	LO-UP	0	EW_DRV BOT COMP
	UP-UG	0	EW_DRV TOP Gain
	LO-UG	0	EW_DRV BOT Gain
	VASP	2F	V_ASPECT
	UC-PO	0	Hor Pority
	AFC-M	2	AFC_MODE
	RSTSW	0	Retrace start
	HB-SW	1	HBLK width
2151	INPUT	0	INPUT_SEL
	MAT-O	0	MATRIX OUT
	VFREQ	0	V FREQUENCY
	SELS1	0	SELECT S1
	SELS2	1	SELECT S2
	FIX-S	0	FIX SYNC
	V-TC	0	V Time constant
	H-WID	0	H_WIDTH
	HSEPS	0	HSEP_SEL
	HD-TC	0	HD TV T/C
	HYSW	0	YG_OUT S/W
	HS-MA	0	HS_MASK
	MACRO	0	MACROVISION
	SELDU	0	Dummy sync SEL
	CLK-S	0	CLOCK SEL
	G-SEL	1	GAIN SEL
	CBGAI	0	SELCB_OUT Gain
	CRGAI	0	SELVR_OUT Gain
	YGAIN	0	SELY_OUT Gain
	HFREQ	1	H FREQUENCY
ETC.	S-BRI	D	SUB-BRIGHT
	AGC-L	92	AGC-LEVEL

IIC DATA SETTING

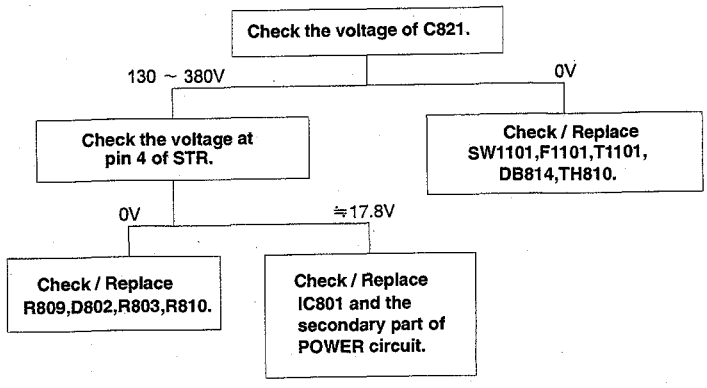


TROUBLE SHOOTING

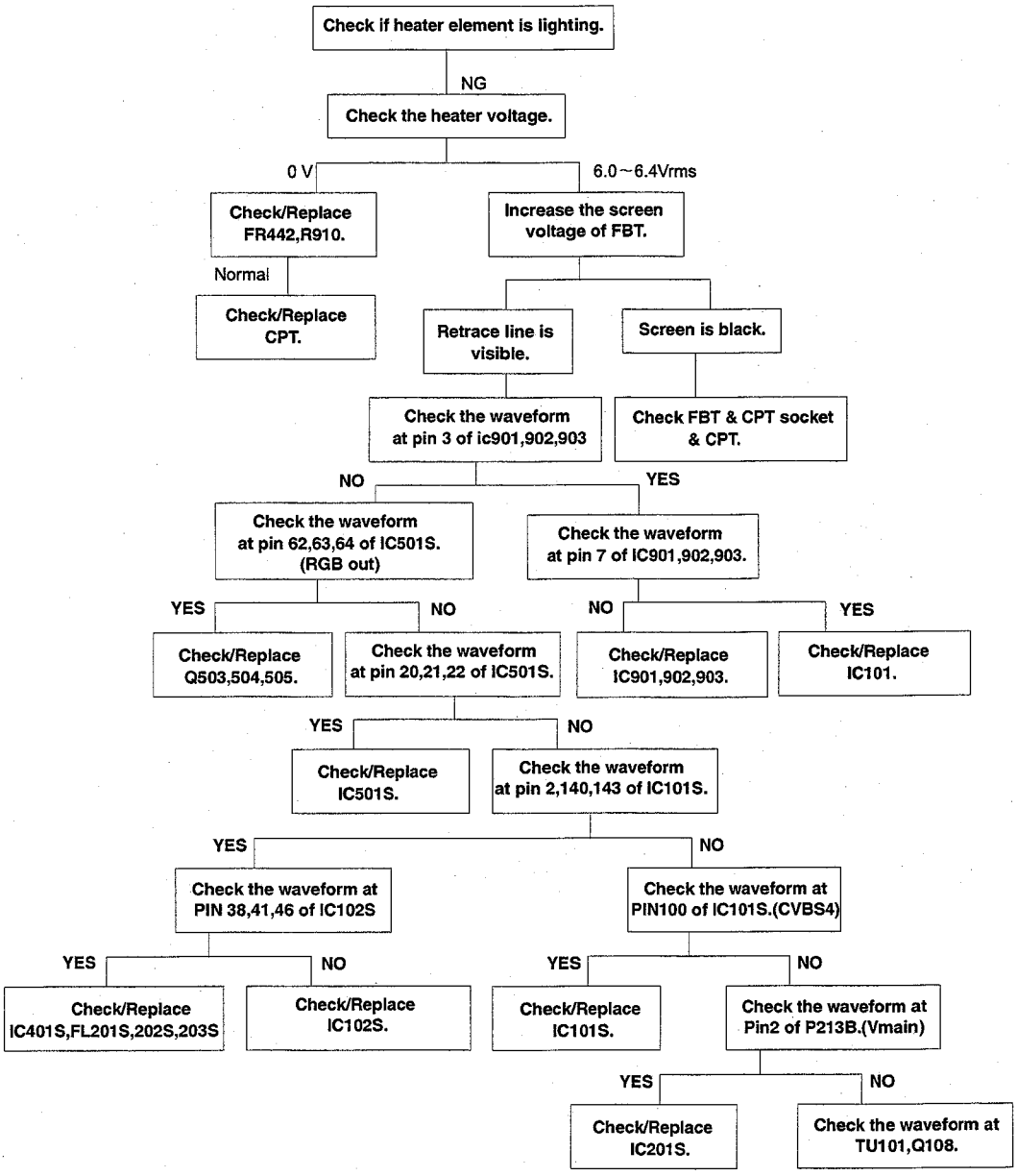
NO POWER ON BUT SMPS WORKING



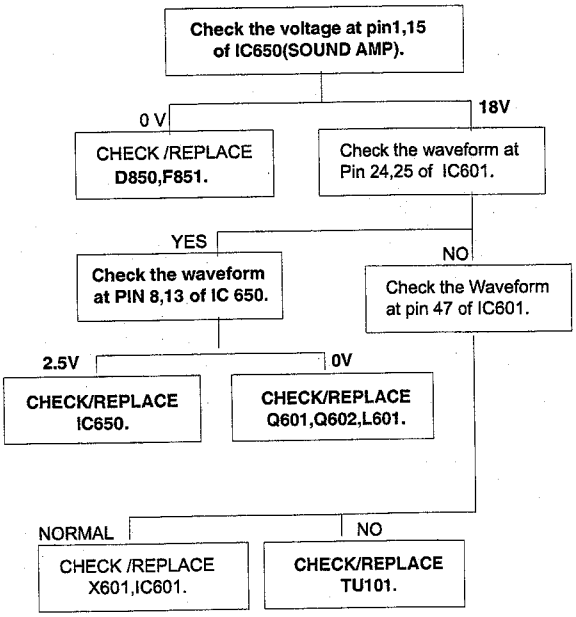
NO POWER (NOT WORKING SMPS)


Check the voltage of C821.
130 ~ 380V
0V
Check the voltage at pin 4 of STR.
Check / Replace SW1101,F1101,T1101, DB814,TH810.
0V
≒17.8V
Check / Replace R809,D802,R803,R810.
Check / Replace IC801 and the secondary part of POWER circuit.

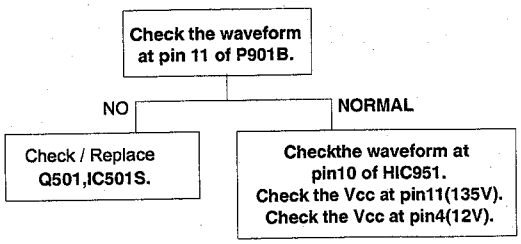
NO RASTER & PICTURE (H-OUT OK)



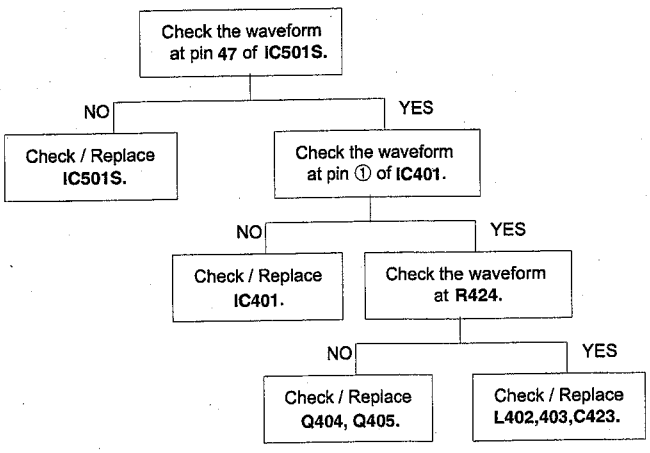
NO SOUND(PICTURE OK)



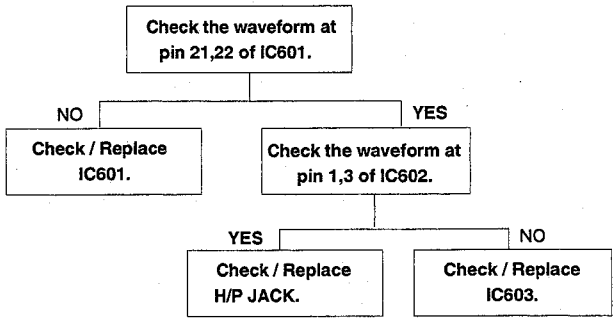
VM DON T WORKING


Check the waveform at pin 11 of P901B.
NO
NORMAL
Check / Replace Q501,IC501S.
Checkthe waveform at pin10 of HIC951.
Check the Vcc at pin11(135V).
Check the Vcc at pin4(12V).

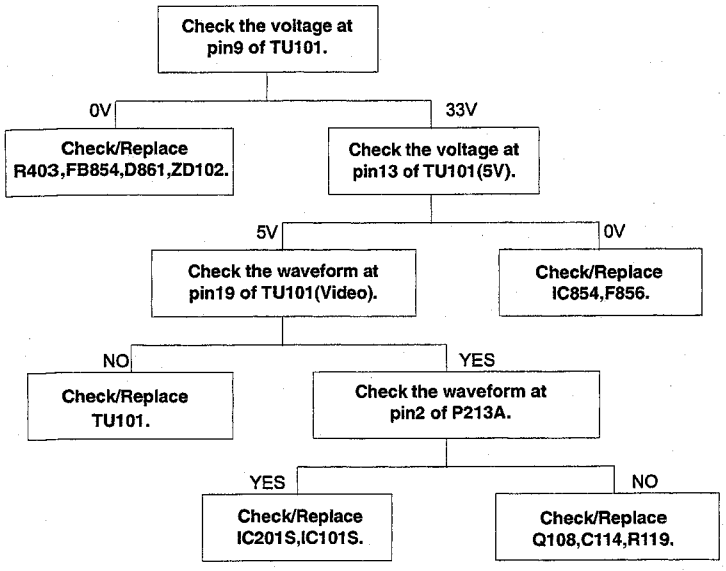
PIN CUSHION DISTORTION



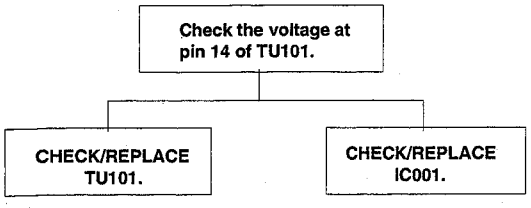
NO SOUND FROM H/P jack(OPTION)
(but Main Sound OK)



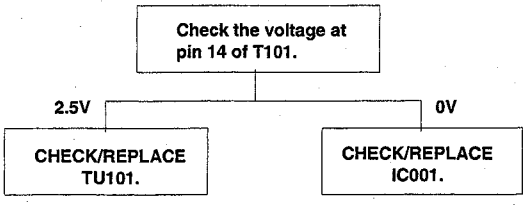
DON'T CATCH CHANNEL(MAIN)



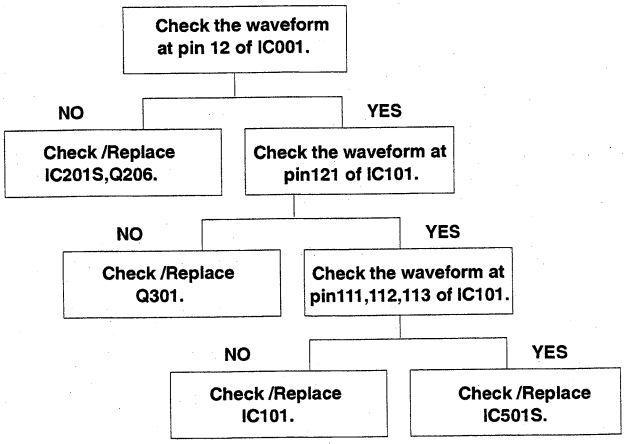
DON T CATCH NTSC-M (OPTION)



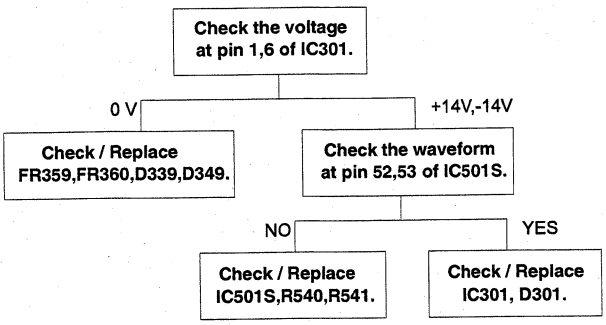
DON T CATCH SECAM-L (OPTION)



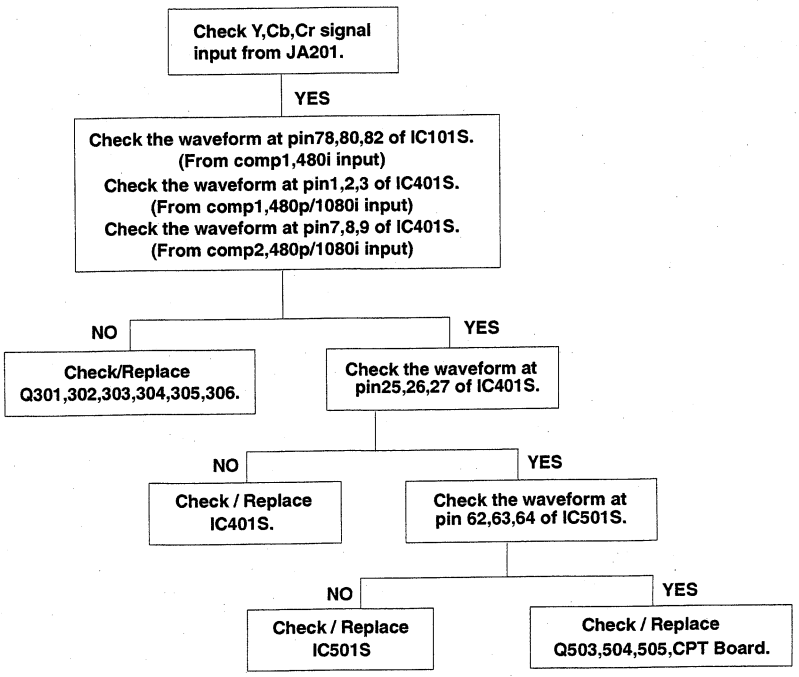
NO TELETEXT



NO VERTICAL DEFLECTION

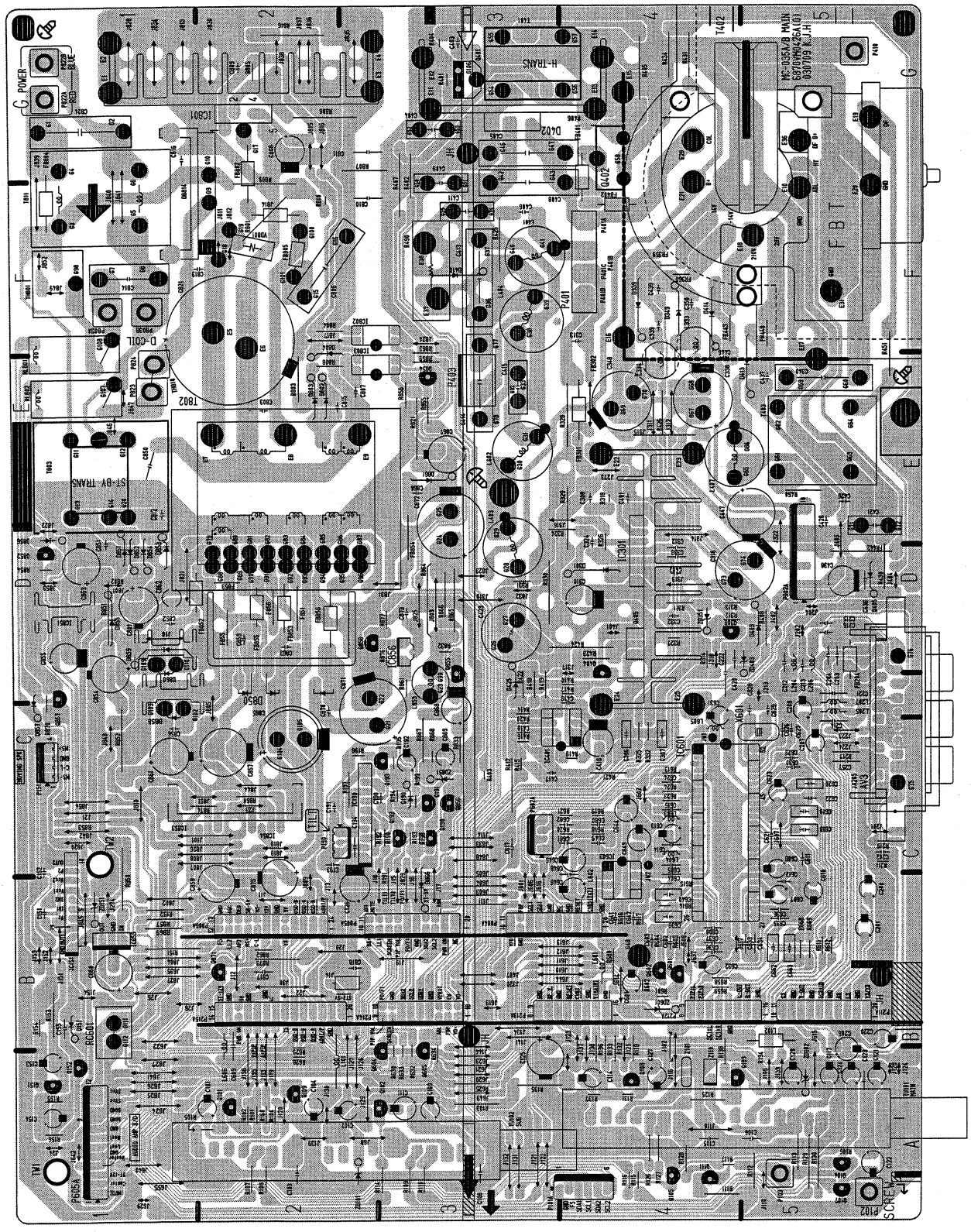


NO DVD/COMPONENT PICTURE(OPTION)



PRINTED CIRCUIT BOARD

MAIN



COMPONENT LOCATION GUIDE(MAIN)

C101.....A2
C102.....A2
C103.....A2
C104.....A2
C105.....A4
C106.....A5
C108.....A3
C109.....A3
C111.....A3
C114.....A4
C117.....A5
C121.....A5
C122.....A5
C123.....A5
C124.....A5
C125.....A3
C126.....B2
C127.....A4
C129.....A5
C151.....B1
C152.....B1
C153.....A1
C154.....A1
C155.....B1
C190 .....C3
C191 .....C2
C192 .....C3
C193 .....C2
C194 .....C2
C200.....B5
C201.....B5
C202 .....C5
C203 .....D5
C204 .....D5
C206.....A5
C207 .....C5
C208 .....C5
C212 .....D5
C213 .....D5
C214 .....C5
C215 .....D5
C216 .....D5
C220.....B5
C221 .....D5
C222 .....C4
C257 .....C5
C306 .....C4
C307 .....C4
C308.....E4
C310 .....D4
C312 .....D4
C313.....F4
C316 .....D5
C324 .....D4

C332 .....D4
C333 .....D4
C338.....E4
C339.....F4
C340.....E5
C348.....E4
C350.....F4
C401.....E4
C402 .....D4
C403 .....G3
C404 .....G3
C405 .....G4
C406.....F3
C408.....F4
C409.....F3
C411.....F3
C413.....F3
C414.....E3
C415.....E3
C416 .....C4
C417 .....C4
C418 .....C3
C419 .....C4
C420 .....D4
C421.....E5
C423 .....D3
C426.....E5
C428 .....D5
C436 .....D5
C437.....E5
C438 .....D5
C439.....F4
C446.....E4
C447.....E5
C601.....B4
C602.....B4
C603.....B4
C604.....B4
C605 .....C4
C606 .....C5
C607.....B5
C608.....B4
C609.....A2
C610.....B5
C611 .....C5
C612.....B5
C613 .....C4
C614 .....C4
C615 .....C4
C617 .....C3
C618 .....C5
C619 .....C5
C620 .....C5
C621 .....C5

C622 .....C5
C623 .....C5
C624 .....C4
C625 .....C5
C626 .....C5
C627 .....C5
C628 .....C5
C629 .....C5
C630 .....C5
C631 .....C4
C632.....B4
C633.....B5
C634.....B5
C635.....B5
C636.....B5
C637.....B4
C638.....B4
C639.....B4
C640.....B4
C641.....B4
C642.....B4
C643 .....C4
C644 .....C4
C645 .....C4
C646.....B4
C648.....B4
C649 .....C4
C662.....B5
C663.....B5
C680 .....C4
C681 .....C4
C682 .....C4
C801 .....D1
C803.....E2
C806.....F2
C807.....E2
C808 .....G2
C809 .....G2
C810.....F3
C811 .....G3
C812.....E1
C813.....F2
C814.....F1
C815.....E2
C816 .....G1
C817.....B2
C818.....B2
C821.....F2
C824 .....G1
C850.....E1
C851 .....D1
C852 .....D1
C853 .....D1
C854 .....D1

C855 .....D1
C856 .....C1
C857 .....C2
C858.....B2
C859 .....D2
C860.....B1
C861 .....C1
C862 .....D1
C863 .....D2
C865 .....C2
C866.....E3
C867.....E3
C868 .....D3
C869 .....C3
C870 .....C2
C871 .....D3
C872.....E3
C873 .....D3
C875.....B2
D151.....B1
D190 .....C3
D301 .....D4
D339.....F4
D349.....F4
D402 .....G3
D403 .....D5
D405 .....D5
D410.....F3
D413.....E5
D414.....F4
D425 .....D3
D802.....E2
D803.....E2
D804.....E2
D850 .....D2
D851 .....D1
D852 .....D1
D853 .....D1
D854 .....D1
D855 .....D1
D856 .....D1
D857 .....C1
D858 .....C1
D859 .....D1
D860 .....D1
D861.....E3
D866.....B3
DB814 ....F2

E7.....E2
E8.....E2
E9.....E2
E10.....F5
E11 .....G3
E12 .....G3
E13 .....G4
E14 .....G4
E15 .....G4
E16.....F4
E17.....E5
E18.....F5
E19 .....G5
E20.....F5
E21.....F4
E22.....E4
E23.....E4
E24.....C4
E25.....C4
E29 .....G4
E31 .....F5
E36 .....G5
E37.....F3
E38.....F3
F851.....D2
F853.....D2
F855.....D2
F856.....D2
FB204 ....D5
FB301.....E4
FB302.....E4
FB401.....F4
FB402.....F4
FB802.....F2
FB804.....F1
FB805.....F2
FB852 ....D2
FB853 ....D2
FB854 ....D3
FB855 ....D2
FB856 ....D2
FR359.....F4
FR360.....F4
FR442 ....D5
FR443.....F4
FR448.....F5
G1.....G1
G2.....G1
G3.....F1
G4.....G1
G5.....F1
G6.....G1
G7.....F1
G8.....F1

G9.....F2
G10.....G2
G11 .....E1
G12 .....E1
G13 .....E1
G14 .....E1
G15.....F2
G16.....F2
G17.....G2
G18.....F2
G19.....F2
G20 .....E1
G21 .....C3
G22 .....D3
G23 .....D3
G24 .....D3
G25 .....E3
G26 .....D3
G27 .....D3
G28 .....D3
G29 .....D3
G30 .....E3
G31 .....E3
G32 .....E3
G33 .....E3
G34.....F3
G35.....F3
G36.....F3
G37.....F3
G38.....F3
G39.....F3
G40.....F3
G41.....F4
G42.....F3
G43.....F4
G46.....G3
G47.....G4
G48 .....B4
G50.....F3
G51.....F3
G52.....G3
G53.....G3
G54.....G3
G55.....G3
G56.....G4
G57.....G4
G58.....G4
G59 .....E5
G60 .....E5
G61 .....E5
G62 .....E5
G63 .....E5
G64 .....E5
G65 .....E4

G66 .....E4
G67 .....E4
G68 .....E4
G69 .....E4
G70 .....E4
G71 .....E5
G72 .....E5
G73 .....D4
G74 .....D5
G75 .....C5
G76 .....D5
G77.....F3
G78 .....E3
G79 .....D2
G80 .....D2
G81 .....D2
G82 .....D2
G83 .....D2
G84 .....D2
G85 .....D2
G86 .....D2
G87 .....D2
G88 .....D2
G89 .....D2
G90 .....D2
G91 .....D2
G92 .....D2
G93 .....D2
G94 .....D2
G95 .....D2
G96 .....D2
G98.....F1
G99 .....D3
G100.....F2
G101.....F2
G102 .....C1
G103 .....C1
G104 .....C2
G105 .....C2
G106.....G3
G107 .....E1
G108.....F1
G109 .....D1
G110 .....D1
G111 .....B1
G112 .....B1
IC151.....B1
IC190 .....C2
IC301.....E4
IC401 .....C4
IC601 .....C4
IC603 .....C4
IC801 .....G2
IC802.....F3

IC803.....E3
IC851 .....D1
IC853 .....C2
IC855.....B1
IC856 .....D3
J10 .....D2
J11 .....B2
J12 .....B2
J13 .....B2
J14 .....B2
J15 .....B3
J16 .....B3
J17 .....B3
J18 .....B3
J19 .....B3
J20 .....B2
J21 .....C1
J22 .....B2
J23 .....C2
J24 .....A1
J25 .....B1
J26 .....B2
J30 .....B2
J68 .....A3
J101 .....C2
J102 .....A4
J105 .....A5
J110 .....A5
J111 .....B3
J113 .....A2
J114 .....C3
J116 .....A4
J118 .....A4
J119 .....A2
J120 .....A2
J121 .....A3
J122 .....A3
J123 .....A4
J124 .....A5
J125 .....A4
J126 .....A2
J127 .....A2
J128 .....A5
J129 .....A2
J130 .....A2
J131 .....A3
J132 .....A3
J133 .....A5
J134 .....B3
J135 .....A2
J136 .....A2
J137 .....B4
J138 .....A4
J139 .....A2

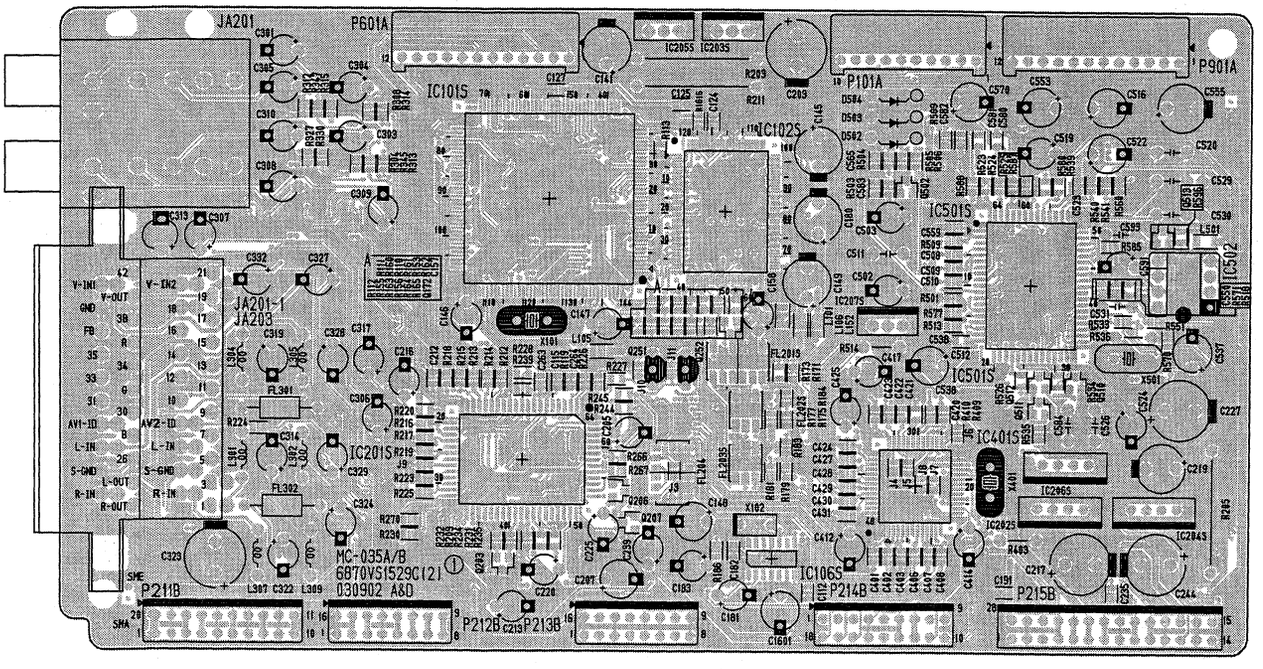
J141 .....B4
J144 .....B3
J151 .....B1
J152 .....B1
J153 .....B1
J154 .....B1
J201 .....C5
J202 .....D5
J204 .....D5
J213 .....C5
J223 .....C5
J224 .....C5
J273 .....E4
J274 .....B1
J311 .....E4
J312 .....E4
J313 .....D4
J314 .....D4
J315 .....E4
J316 .....E4
J317 .....D4
J318 .....D4
J319 .....D3
J320 .....B3
J322 .....D5
J401 .....D4
J402 .....D5
J404 .....D5
J405 .....D5
J407 .....B3
J601 .....B3
J602 .....C4
J603 .....B3
J604 .....B3
J605 .....B3
J606 .....B3
J607 .....C5
J608 .....B4
J610 .....B4
J611 .....B4
J612 .....B4
J613 .....B4
J614 .....B4
J615 .....A5
J616 .....B3
J617 .....B4
J619 .....B3
J620 .....A3
J621 .....A3
J622 .....B1
J623 .....A3
J624 .....A2
J625 .....A1
J626 .....A1

J627 .....A1
J629 .....A1
J635 .....B2
J637 .....B4
J640 .....A1
J641 .....A1
J642 .....A1
J643 .....A3
J644 .....B4
J655 .....A2
J801 .....D1
J802 .....B2
J803 .....D3
J804 .....B2
J805 .....C2
J807 .....C2
J808 .....C2
J809 .....B2
J810 .....C1
J811.....F2
J812.....F2
J813.....G2
J814.....F2
J815.....G2
J816.....G2
J817.....F2
J818 .....C2
J819 .....C2
J820 .....C1
J821 .....D2
J822 .....D1
J823 .....D3
J824.....F3
J825 .....D3
J826 .....C2
J827 .....B2
J828 .....G1
J829 .....B3
J830 .....G2
J831 .....D3
J832 .....D3
J833 .....C3
J834 .....G1
J835 .....G2
J836 .....G2
J837 .....G2
J838 .....G2
J839.....F1
J840.....F1
J841.....F1
J842 .....C1
J843 .....C1
J844 .....C2
J845 .....B1

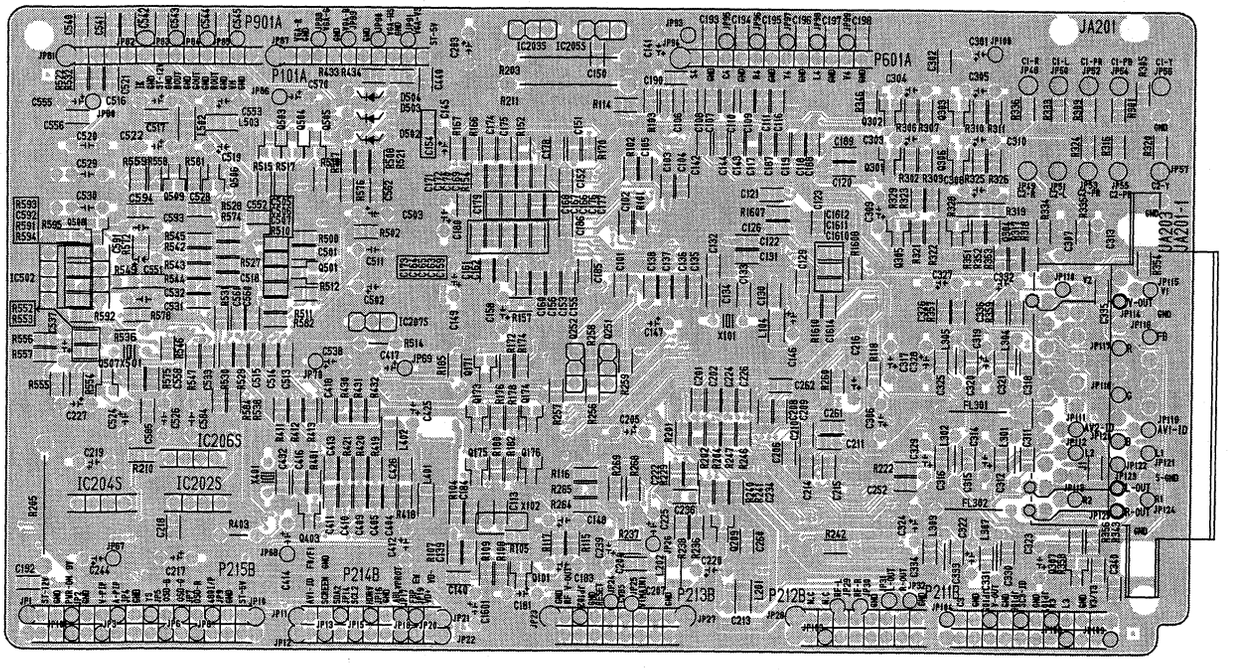
COMPONENT LOCATION GUIDE(MAIN)

J846 .....E1
J847 .....E1
J848 .....C3
J849.....F1
J851 .....C2
J852.....F1
J853 .....D1
J854 .....C1
JA205.....C5
JP1.....G4
JP2 .....F4
JP3.....G1
JP4.....G1
JP5 .....F1
JP6 .....F1
JP7.....E2
JP8.....E2
JP9 .....F3
JP10 .....F4
JP11 .....E4
JP12 .....F4
JP13.....D5
JP14.....D5
JP15.....D5
JP16.....D5
JP17.....D5
JP18.....D5
JP19.....C5
JP20.....C5
JP21.....C5
JP22.....C5
JP23.....C4
JP24.....C4
JP25.....B4
JP26.....D3
JP27.....C2
JP28.....C2
JP37.....A1
JP38.....A1
JP39.....A1
JP40.....A1
JP41.....A1
JP42.....A1
JP44.....C1
JP45.....C1
JP50.....C5
JP51.....C5
JP52.....D5
JP53.....A3
JP54.....B1
JP55.....B1
JP56.....A1
JP57.....C1
JP58.....C1
JP59 .....F4
L101 .....A2
L102 .....B5
L204 .....D5
L205 .....C5
L206 .....D5
L207 .....C5
L333 .....E4
L334 .....E4
L401 .....F3
L402 .....E3
L403 .....D3
L404 .....F4
L407 .....E4
L601 .....B4
L602 .....B4
L603 .....C4
L604 .....C4
L605 .....C4
L606 .....A2
L853 .....D3
P102.....A5
P103.....A5
P151.....C1
P190.....C2
P403.....E3
P410 .....G5
P823.....E1
P824.....E1
P004A B4
P101A A4
P211A B5
P401A.....F4
P401B.....F4
P401C F4
P401D F4
P602A C3
P605A A1
P803A.....F1
P803B.....F1
P822A G1
P822B G1
P902A D5
Q101 .....A2
Q102 .....A3
Q103 .....A4
Q104 .....A5
Q105 .....A4
Q107 .....A5
Q108 .....A4
Q109 .....A2
Q111 .....A4
Q151 .....A1
Q152 .....A1
Q190 .....C3
Q191 .....C3
Q192 .....C3
Q193 .....C3
Q308 .....D5
Q401 .....G3
Q402 .....E4
Q404 .....D4
Q601 .....B4
Q602 .....B4
Q604 .....A3
Q605 .....A3
Q852 .....D1
Q854 .....E3
Q855 .....D3
Q856 .....C3
Q857 .....D1
Q858 .....D3
Q871 .....B2
R101.....A2
R102.....A2
R103.....A3
R104.....A2
R105.....A2
R106.....A5
R107.....A2
R108.....A2
R109.....A3
R110.....A3
R111.....A5
R112.....A5
R113.....A5
R114.....A3
R115.....A4
R116.....A4
R117.....A5
R119.....A4
R125.....A4
R126.....A4
R127.....A4
R128.....A4
R129.....A5
R130.....A5
R131.....A4
R132.....A4
R133.....A4
R134.....A5
R135.....A4
R136.....A4
R137.....A4
R138.....A4
R151.....B2
R152.....B2
R153.....B1
R154.....B1
R155.....A1
R156.....A1
R160.....A2
R190 .....C3
R191.....B3
R192 .....C3
R193 .....C3
R194 .....C3
R195 .....C3
R196 .....C3
R197 .....C2
R198 .....C3
R199 .....C3
R211 .....C5
R217 .....C5
R219 .....C5
R311 .....D4
R312 .....D5
R313 .....D5
R314 .....D4
R318.....E4
R324 .....D4
R325 .....C4
R326 .....D4
R327 .....D4
R328.....E4
R329 .....D4
R330 .....D3
R331 .....D3
R332 .....C4
R401 .....G3
R402.....F3
R403 .....C3
R404 .....G3
R405 .....G4
R406 .....G4
R407.....F3
R408 .....D5
R410 .....D4
R412 .....C3
R413 .....C3
R414 .....C3
R415 .....C3
R416 .....C3
R417 .....D4
R418 .....C3
R419 .....C4
R420 .....C3
R421 .....C4
R422 .....C3
R423 .....D4
R424 .....D4
R425.....F3
R426.....E4
R430 .....D5
R431 .....G4
R434 .....G4
R450.....E5
R451.....E5
R490.....F3
R601.....B4
R602.....B4
R603.....B4
R604.....B4
R611.....B5
R612.....B5
R613 .....C4
R614.....B4
R615.....B4
R616.....B4
R617.....B4
R618 .....C4
R619 .....C4
R620 .....C4
R621 .....C4
R623 .....C4
R624 .....C4
R625.....A3
R628.....A2
R629.....B2
R630.....A3
R632.....A3
R633.....A3
R634.....A3
R658.....B4
R659.....B4
R668.....B5
R669.....B5
R680.....B4
R801.....F2
R802 .....D1
R803.....E2
R804.....F2
R805 .....G2
R806 .....G2
R807 .....G3
R808.....E2
R809.....F2
R810.....F2
R816 .....G2
R821.....E3
R832 .....D3
R833 .....C3
R850.....B1
R851 .....D1
R852 .....C1
R853 .....C1
R854 .....D1
R855.....E3
R856.....E3
R857.....B2
R859.....E3
R860 .....C2
R861 .....C3
R862.....B2
R863.....F3
R864 .....D3
R865 .....D3
R866 .....D3
R867 .....C3
R868 .....C3
R869.....B2
R870 .....C1
R873.....B2
R874 .....C2
R876 .....D3
R877 .....D3
RC601....B1
RL801.....E1
RL802.....E1
T401.....G4
T402 .....F5
T403 .....E5
T802 .....E2
T803 .....E1
T811 .....F1
TH801.....F1
TH810 ....E1
TP1.....A4
TP2.....A4
TP4.....A3
TP5.....A2
TP6.....A2
TP7.....A3
TP8.....A2
TP9.....A2
TP10.....A5
TP11.....A4
TP12.....A4
TP13.....B3
TP14.....B3
TP16.....B2
TP17.....B2
TP18.....B2
TP19.....B2
TP20.....B2
TP21.....B3
TP22.....B3
TP23 .....C4
TP24 .....C4
TP25 .....C5
TP26 .....C5
TP27 .....C4
TP28 .....C2
TP29 .....C4
TP30 .....C4
TP31 .....C2
TP32 .....C4
TP33 .....C4
TP34 .....C4
TP35 .....C4
TP38 .....C4
TP39 .....C4
TP40 .....C4
TP44.....E3
TP45.....F3
TP46.....E3
TU101 ....A5
TU102 ....A3
VD801 ....F2
X601.....C5
Z101 .....A4
Z110.....A4
ZD101 ....A2
ZD102 ....A5
ZD151 ....B1
ZD351 ....D4
ZD403 ....D5
ZD601 ....B4
ZD851 ....C3

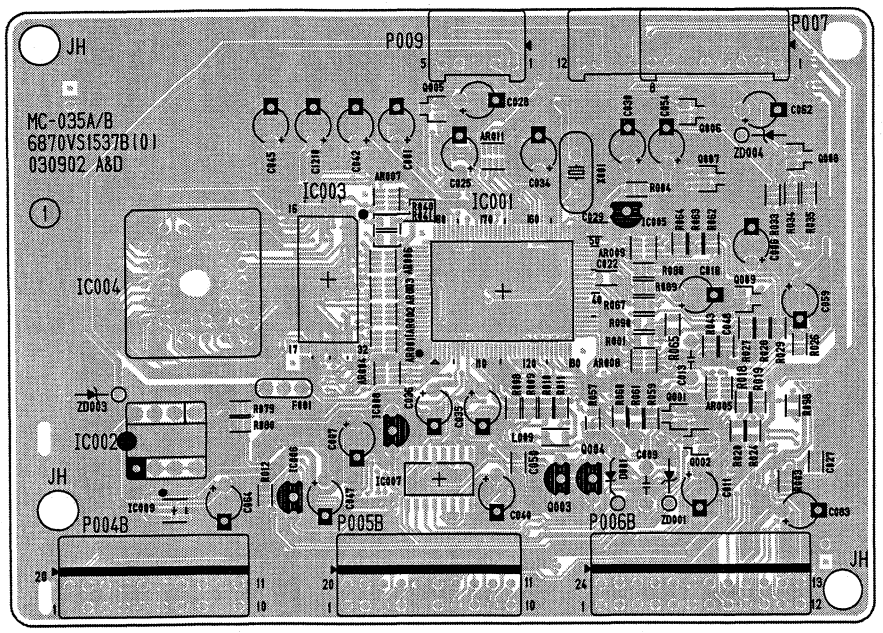
100Hz(TOP)



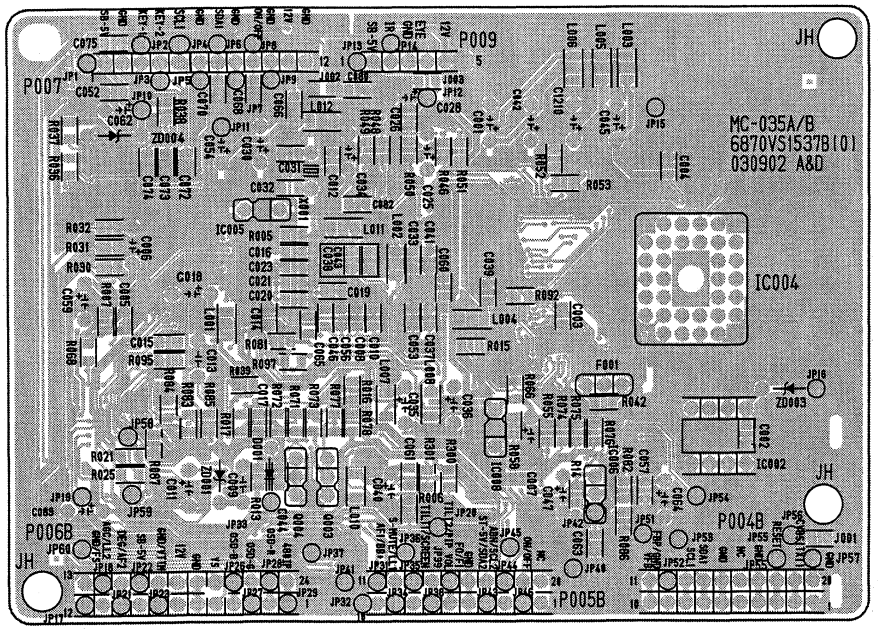
100Hz(BOTTOM)



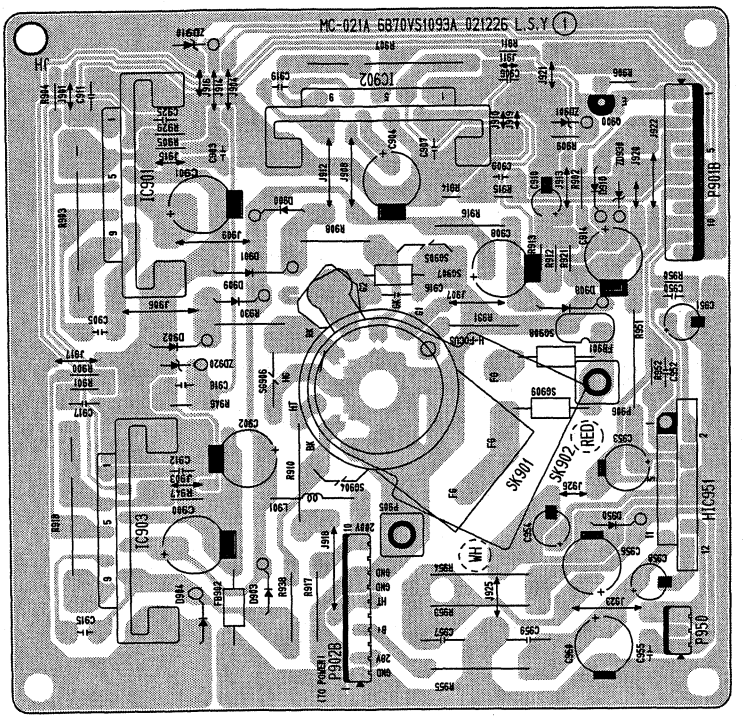
MICOM(TOP)



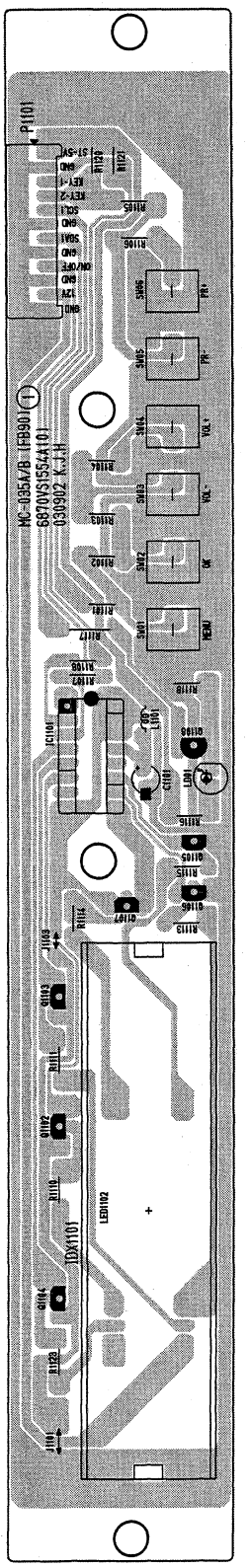
MICOM(BOTTOM)



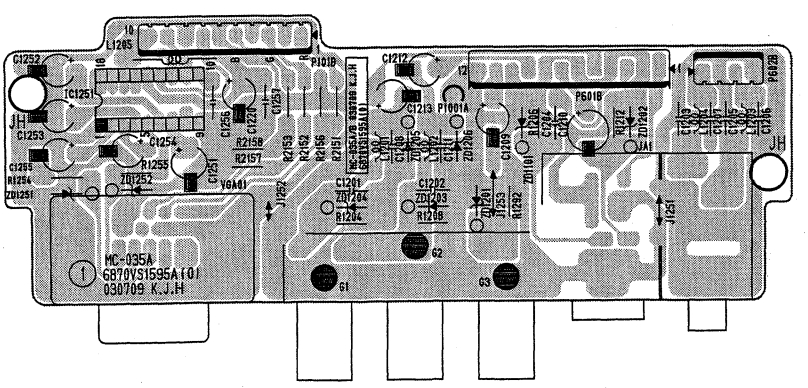
CPT



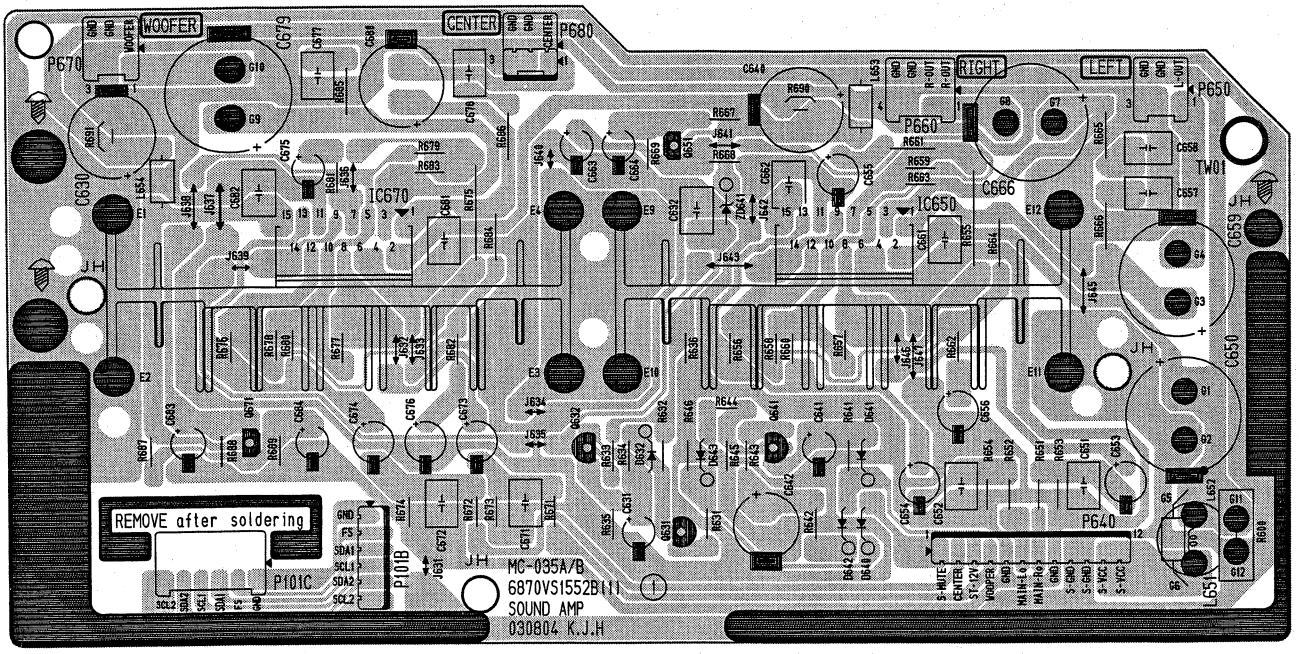
CONTROL



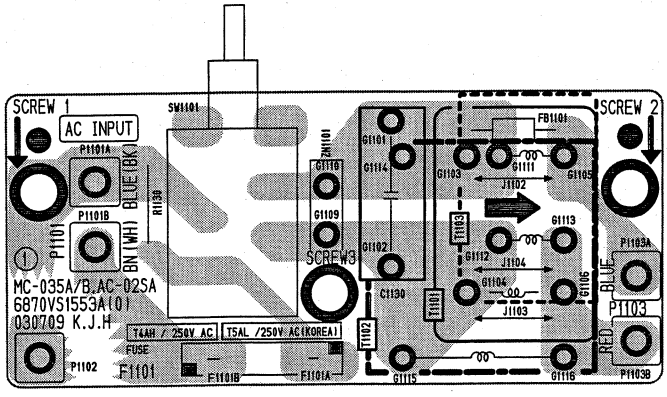
SIDE A/V



SOUND

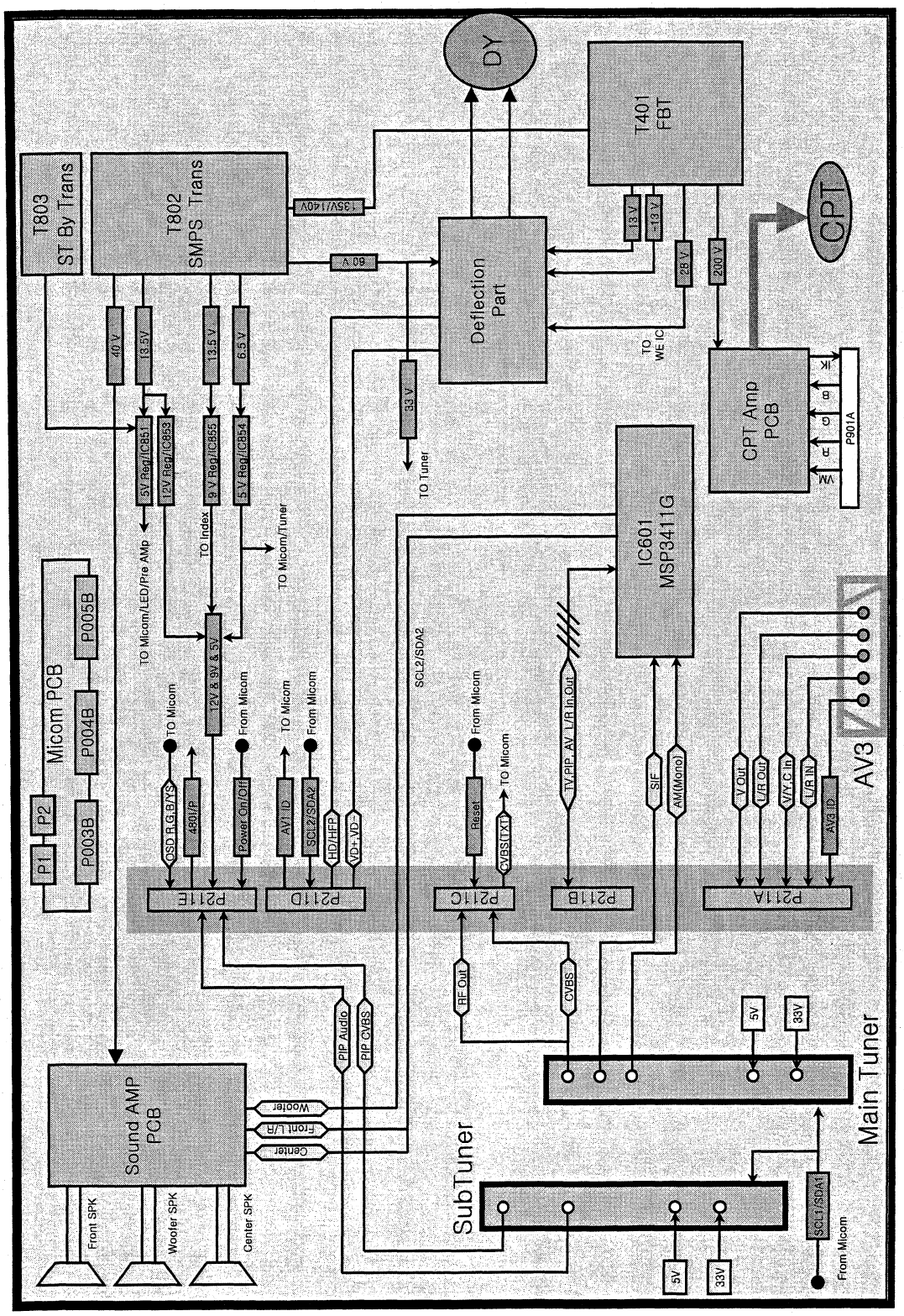

WOOFER
CENTER
RIGHT
LEFT
P670
P680
P660
P650
P640
P101C
P101B
IC670
IC650
REMOVE after soldering
MC-035A/B
6870VS1552B(1)
SOUND AMP
030804 K.J.H

POWER

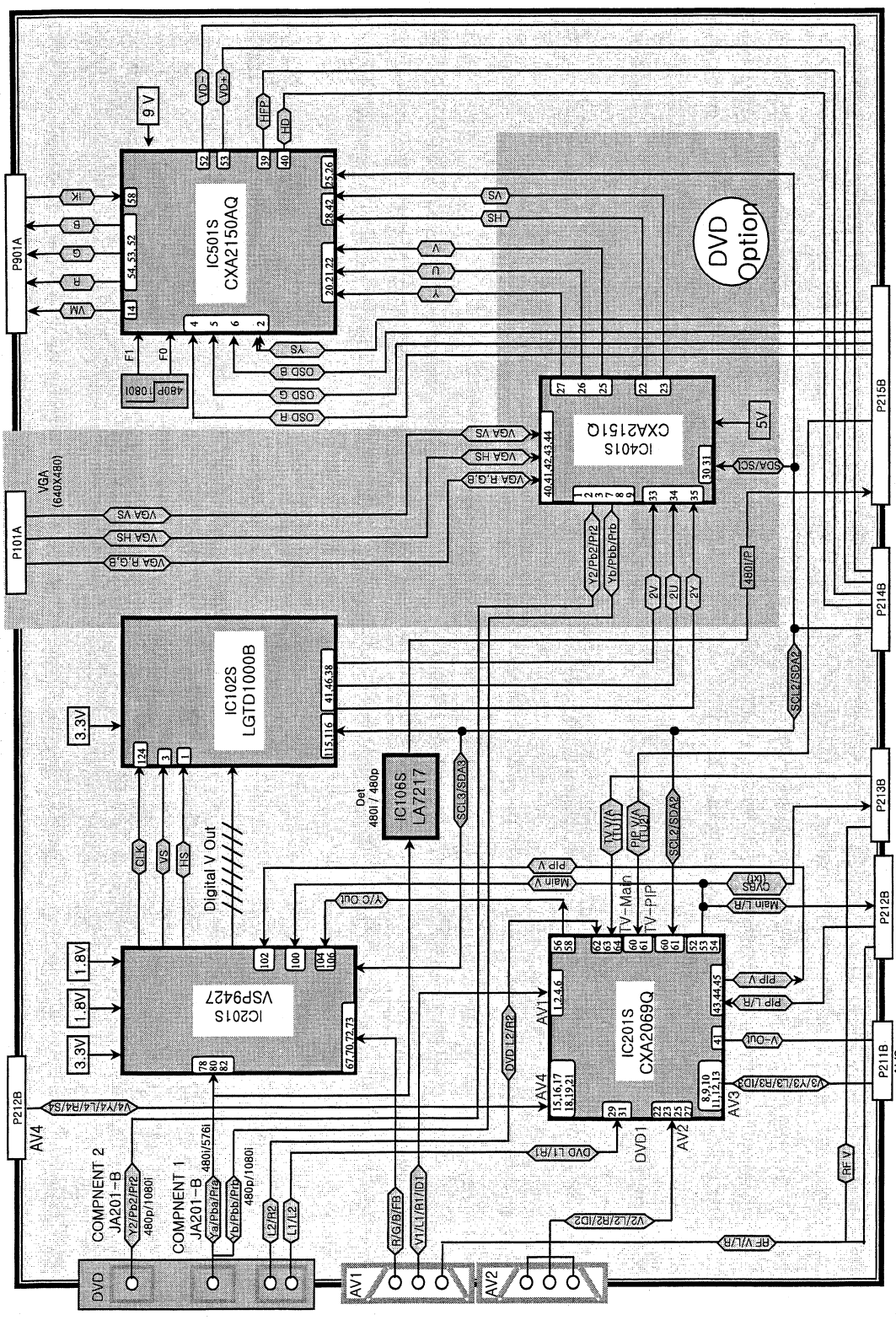

SCREW 1
AC INPUT
SCREW 2
SCREW3
P1101
P1102
P1103
F1101
MC-035A/B,AC-02SA
6870VS1553A(0)
030709 K.J.H
T4AH / 250V AC
T5AL /250V AC(KOREA)
FUSE
BLUE(BK)
BN(WH)
BLUE
RED

BLOCK DIAGRAM

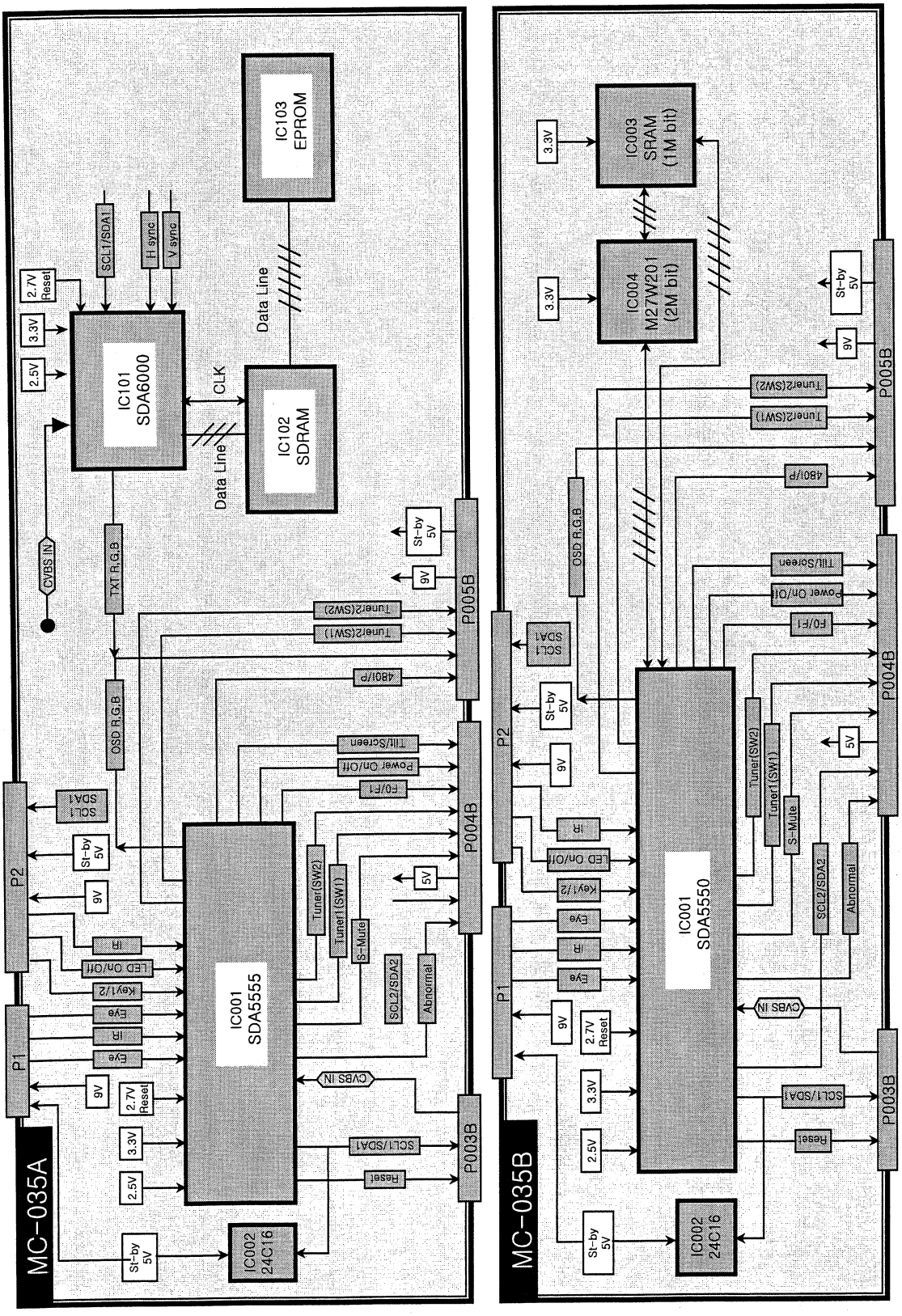
1. MAIN



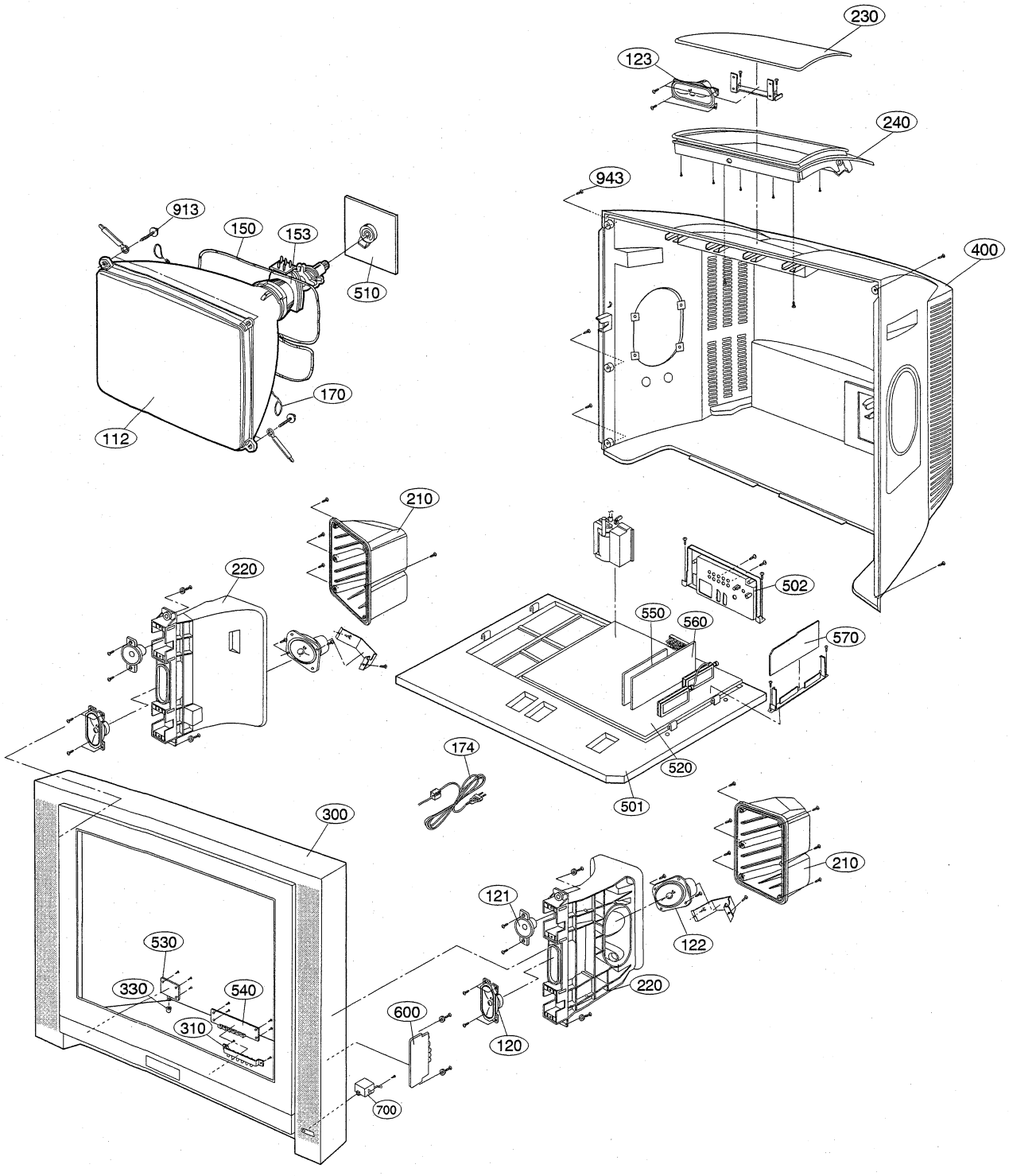
2.100HZ/PROGRESSIVE



3.MICOM


MC-035A
IC101
SDA6000
IC102
SDRAM
IC103
EPROM
IC001
SDA5555
IC002
24C16
Data Line
CLK
SCL1/SDA1
H sync
V sync
2.7V Reset
3.3V
2.5V
CVBS IN
TXT R.G.B
OSD R.G.B
P1
P2
P003B
P004B
P005B
9V
6V
5V
St-by 5V
IR
Eye
Key1/2
LED On/Off
Tuner1(SW1)
Tuner2(SW2)
S-Mute
SCL2/SDA2
Abnormal
Reset
480I/P
F0/F1
Power On/Off
Till/Screen
MC-035B
IC003
SRAM
(1M bit)
IC004
M27W201
(2M bit)
IC001
SDA5550
IC002
24C16

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

LOCA. NO	PART NO	DESCRIPTIONS
112	2426GF239AR	CPT SET,A68QCU259X 00Q7ND
	6335V29017C	CPT ASSEMBLY, A68QCU259X VEM7ND 0.3G 0G LG PHILPS(N.ALLIED)
	6335V29017F	CPT ASSEMBLY, A68QCU259X VEQ7ND 0G 0G LG PHILPS(LGEVN)
120	120-C77N	SPEAKER,FULLRANGE,C122S01K1450 8OHM 15/25W 84.5DB OTHERS
121	120-C76G	SPEAKER,TWEETER C050TX-357K14 8OHM 15/25W 88DB OTHERS NON
122	6400VA0015C	SPEAKER,FULLRANGE WOOFER 8OHM 15/25W 87.5DB OTHERS
123	6400VA3002C	SPEAKER,GENERAL C123P01K1452 8 OHM 7/10W 83DB 41X126MM
150	6140VC2005F	COIL,DEGAUSSING,29 FLAT ASSY (W) SELLA TECH 2001R+D07L
153	6150V-5006E	DY(DEFLECTION YOKE),6150Z-1343B 29 LPD .
170	170-844K	CPT EARTH,29 98T 4LUG LEAD SET SPRING(50MM)
174	174-322E	POWER CORD,POWER W/FILTER L=400(179B)
210	3550V00226A	COVER,DOME 29FB20 PP NON
	3550V00226B	COVER,DOME,CKD (LGEVN)
220	3110V00200A	CASE,FRONT 29FB20 PP NON
	3110V00200B	CASE,DOME FRONT CKD (N.ALLIED,LGEVN)
230	3550V00324A	COVER,TOP 29FB90 NON CENTER SPK
240	3110V00309A	CASE,NON 29FB90 NON CENTER SPK
300	3091V00B79A	CABINET ASSEMBLY,RT-29FB90 NON NON NON
	3091V00B79C	CABINET ASSEMBLY,C/SKD STEREO MC019A NON(N.ALLIED,LGEVN)
310	5020V00794A	BUTTON,CONTROL 32FZ40 ABS, HF-380 6KEY NON
330	5020V00553L	BUTTON,POWER RN-17LZ11E ABS, HF-380 1KEY .
400	3809V00B06C	BACK COVER ASSEMBLY,RT-29FB90RB 2PHONE 3850VC0002A
	3809V00B06D	BACK COVER ASSEMBLY,C/SKD 2PHONE NON (N.ALLIED,LGEVN)
501	4810V00379A	BRACKET,MAIN PS MC-017A
502	4810V00543E	BRACKET,REAR AV RT-29FB90 MC035A HIPS 60HR PHONE+PHONE
510	6871VSMW06A	PWB(PCB) ASSEMBLY,SUB CPT MC035A 29 LG FLAT
	6871VSMQ42A	PWB(PCB) ASSEMBLY,SUB CPT MC035B 29"(LG FLAT) CKD(N.ALLIED)
520	6871VMMQ06E	PWB(PCB) ASSEMBLY,MAIN MC035B RT-29FB90RB.AMLLKD
	6871VMMQ06F	PWB(PCB) ASSEMBLY,MAIN MC035B RT-29FB90RB.STLLVV2
	6871VMMQ06G	PWB(PCB) ASSEMBLY,MAIN MC035B RT-29FB90RB.ALLLKR
	6871VMMQ06J	PWB(PCB) ASSEMBLY,MAIN MC035B RT-29FB90RB.KTLLKN8
530	6871VSMW10B	PWB(PCB) ASSEMBLY,SUB POWER MC035A RT SUB PWR (SET)
	6871VSMQ40A	PWB(PCB) ASSEMBLY,SUB POWER MC035B SUB POWER SKD(LGEVN)
	6871VSMQ40B	PWB(PCB) ASSEMBLY,SUB POWER MC035B PAKISTAN-CKD(N.ALLIED)
540	6871VSMW08A	PWB(PCB) ASSEMBLY,SUB CONT MC035A INDEX 29FB90
	6871VSMQ39A	PWB(PCB) ASSEMBLY,SUB CONT MC035B PAKISTAN-CKD(N.ALLIED)
550	6871VSME70A	PWB(PCB) ASSEMBLY,SUB MC035B MICOM RT 29
560	6871VSMB89B	PWB(PCB) ASSEMBLY,SUB MC035A 100HZ PH+DVD (RT)
570	6871VSMW09A	PWB(PCB) ASSEMBLY,SUB S/AMP MC035A CENTER 29FB90 (SET)
	6871VSMQ43A	PWB(PCB) ASSEMBLY,SUB S/AMP MC035B CKD(N.ALLIED)
600	6871VSMW51A	PWB(PCB) ASSEMBLY,SUB A/V MC035A SIDE RZ (W/O VGA) SET
	6871VSMW51B	PWB(PCB) ASSEMBLY,SUB A/V MC035A SIDE RT W/VGA(SET)(LGEVN)
	6871VSMQ41A	PWB(PCB) ASSEMBLY,SUB A/V MC035B SIDE W/VGA CKD(N.ALLIED)
700	0IGL120104J	IC,DRAWING YGCA-T065A DIP 6P - .
913	332-229H	SCREW,DRAWING NON - NON HEXAGON HEAD
943	1PTF0403116	SCREW,TAP TITE(P)[TRUSS HEAD]

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
	IC	
D850	0ISK100300A	IC, SLA1003 SIP12 BK DIODE MODULE
HIC951	0IZZVF0018B	IC, STK396-120 11P ST SCAN VELOCITY MODU.
IC001	0ISM555000A	IC, SDA5550 MQFP100 BK MICOM TXT MC006A
IC002	0IAL241610B	IC, AT24C16A-10PI-2.7 8PIN DIP ST EEPROM
IC003	0ISS610082A	IC, 32-TSOP R/TP 1M(8BIT-128K)-SRAM(3.3V),70NS
IC004	0ISG272012A	IC, M27W201(2M BIT 3.3V) 32PLCC TP OTP
IC005	0IFA752700A	IC, KA75270Z 3 TP RE-SET IC MC-007
IC006	0IFA754207A	IC, KA75420ZTA(KA7542ZTA) 3P,TO-92 TP 4.2V
IC106S	0ISA721700C	IC, LA7217M MFP14 TP SYNC SEPARATOR
IC151	0ISA164500B	IC, LB1645N 10SIP BK MOTOR DRIVE IC
IC151	0ISA164500B	IC, LB1645N 10SIP BK MOTOR DRIVE IC
IC190	0ISA164500B	IC, LB1645N 10SIP BK MOTOR DRIVE IC
IC201S	0ISO206900A	IC, CXA2069Q QFP64 BK I2C BUS AV S/W
IC204S	0IMCRKE002B	IC, KIA78R09API KEC 4P TO-220IS ST 9V/1A
IC206S	0ISS278050A	IC, KA278R05 4P,TO-220F BK LOW DROP 5V
IC207S	0IKE780500Q	IC, KIA7805API 3P TO-220 ST REGULATOR 5V
IC301	0ISA784500A	IC, LA7845 7SIP V/OUT(1.5A)
IC401	0IKE455800E	IC, KIA4558 8DIP DUAL OP AMP
IC502	0ISS393000G	IC, KA393 COMPARATOR 8DIP BK OP AMP
IC601	0IIT341120C	IC, MSP3411G PO B8 V3 52P DIP ST ADD
IC603	0ISG282200A	IC, TDA2822M 8D DUAL AUDIO AMP(1W)
IC650	0IMCRNS006A	IC, LM4765T 15P TO220 ST AUDIO POWER AMP 30W
IC801	0ISK665813A	IC, STR-F6658B(LF1352) 5PIN SIP BK STR
IC802	0ILI817000G	IC, LTV817M-VB 4P,DIP BK PHOTO COUPLER
IC803	0ILI817000G	IC, LTV817M-VB 4P,DIP BK PHOTO COUPLER
IC851	0IKE780500Q	IC, KIA7805API 3P TO-220 ST REGULATOR 5V
IC853	0ISS278050A	IC, KA278R05 4P,TO-220F BK LOW DROP 5V
IC854	0ISS278120A	IC, KA278R12 4P,TO-220F BK LOW DROP 12V
IC901	0IPH611190A	IC, TDA6111Q 9SIP RGB AMP
IC902	0IPH611190A	IC, TDA6111Q 9SIP RGB AMP
IC903	0IPH611190A	IC, TDA6111Q 9SIP RGB AMP
Q003	0IFA270000A	IC, 2N7000TA TO-92, 3P TP 60V/0.2A,MC007A
Q004	0IFA270000A	IC, 2N7000TA TO-92, 3P TP 60V/0.2A,MC007A
Q251	0IFA270000A	IC, 2N7000TA TO-92, 3P TP 60V/0.2A,MC007A
Q252	0IFA270000A	IC, 2N7000TA TO-92, 3P TP 60V/0.2A,MC007A
	TRANSISTOR	
IC301	0TR205900AB	TR, KTD2059-Y TO-220IS KEC
Q001	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q002	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q006	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q007	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q008	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q009	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q101	0TR733009AA	TR, KSA733C-Y TP SAMSUNG TO-92
Q101	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q102	0TR945009AA	TR, KSC945C-Y TO92 50V 150MA
Q103	0TR945009AA	TR, KSC945C-Y TO92 50V 150MA
Q104	0TR127009AA	TR, KTA1270-YTP TO92 50V 100MA
Q105	0TR945009AA	TR, KSC945C-Y TO92 50V 150MA
Q107	0TR945009AA	TR, KSC945C-Y TO92 50V 150MA

LOCA. NO	PART NO	DESCRIPTION
Q108	0TR945009AA	TR, KSC945C-Y TO92 50V 150MA
Q1108	0TR319809AA	TR, KTC3198TP TO92 50V 150MA
Q111	0TR945009AA	TR, KSC945C-Y TO92 50V 150MA
Q171	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q172	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q173	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q174	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q175	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q176	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q190	0TR102009AB	TR, KRC102M TP NA NA NA
Q191	0TR945009AA	TR, KSC945C-Y TO92 50V 150MA
Q192	0TR945009AA	TR, KSC945C-Y TO92 50V 150MA
Q193	0TR945009AA	TR, KSC945C-Y TO92 50V 150MA
Q203	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q206	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q207	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q209	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q301	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q302	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q303	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q304	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q305	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q306	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q307	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q308	0TR945009AA	TR, KSC945C-Y TO92 50V 150MA
Q401	0TF200000AA	TR, IRFIBC20G BK I.R 600V - -
Q402	0TR544600AA	TR, 2SC5446(AS) BK TO3P 1700V23A MESA
Q403	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q404	0TR127509AC	TR, KTA1275-Y TP(KTA1013),KEC
Q501	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q502	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q503	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q504	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q505	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q506	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q507	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q508	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q508	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q509	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q510	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q511	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q512	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q513	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q513	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q601	0TR733009AA	TR, KSA733C-Y TP SAMSUNG TO-92
Q602	0TR733009AA	TR, KSA733C-Y TP SAMSUNG TO-92
Q604	0TR733009AA	TR, KSA733C-Y TP SAMSUNG TO-92
Q605	0TR733009AA	TR, KSA733C-Y TP SAMSUNG TO-92
Q631	0TR319809AA	TR, KTC3198 KEC TP TO92 50V 150MA
Q632	0TR319809AA	TR, KTC3198 KEC TP TO92 50V 150MA
Q641	0TR126609AA	TR, KTA1266-Y KEC TP TO92 50V 150MA
Q651	0TR322709AA	TR, KTC3227-Y,TP(KTC1627A),KEC
Q671	0TR322709AA	TR, KTC3227-Y,TP(KTC1627A),KEC

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LOCA. NO	PART NO	DESCRIPTION
Q854	0TR322709AA	TR, KTC3227-Y,TP(KTC1627A),KEC
Q855	0TR421009AB	TR, BF421 TP TELEFUNKEN TO92 KEC
Q856	0TR102009AB	TR, KRC102M TP NA NA NA
Q857	0TR945009AA	TR, KSC945C-Y TO92 50V 150MA
Q858	0TR945009AA	TR, KSC945C-Y TO92 50V 150MA
Q871	0TR945009AA	TR, KSC945C-Y TO92 50V 150MA
Q900	0TR127109AA	TR, KTA1271Y KEC TP TO92 50V 100MA
		DIODE
D001	0DS113379BA	DIODE, 1SS133 T-72 TP DO34 90V
D190	0DS113379BA	DIODE, 1SS133 T-72 TP DO34 90V
D301	0DD200009AF	DIODE, RU2M V(1) TP SANKEN
D339	0DD200009AF	DIODE, RU2M V(1) TP SANKEN
D349	0DD200009AF	DIODE, RU2M V(1) TP SANKEN
D402	0DD011150AA	DIODE, TO3PF 400V 5A 50A 0.3SEC 10UA
D403	0DD100009AU	DIODE, EU1AV(1) TP SANKEN TP SANKEN
D405	0DD414809ED	DIODE, 1N4148 TP GRANDE --
D410	0DD150009CA	DIODE, RGP15J TP
D413	0DD150009CC	DIODE, RGP15G TP
D414	0DD100009AE	DIODE, RU1A V(1) TP SANKEN
D425	0DD414809ED	DIODE, 1N4148 TP GRANDE --
D502	0DS113379BA	DIODE, 1SS133 T-72 TP DO34 90V
D503	0DS113379BA	DIODE, 1SS133 T-72 TP DO34 90V
D504	0DS113379BA	DIODE, 1SS133 T-72 TP DO34 90V
D632	0DD414809ED	DIODE, 1N4148 TP GRANDE --
D640	0DD414809ED	DIODE, 1N4148 TP GRANDE --
D641	0DD414809ED	DIODE, 1N4148 TP GRANDE --
D642	0DD414809ED	DIODE, 1N4148 TP GRANDE --
D643	0DD414809ED	DIODE, 1N4148 TP GRANDE --
D802	0DD100009AM	DIODE, EU1ZV(1) TP SANKEN
D803	0DD100009AM	DIODE, EU1ZV(1) TP SANKEN
D804	0DD414809ED	DIODE, 1N4148 TP GRANDE --
D855	0DD060009AC	DIODE, TVR06J TP - 600V - - 250NSEC -
D857	0DD414809ED	DIODE, 1N4148 TP GRANDE --
D858	0DD420000BB	DIODE, D4L20U SHINDENGEN
D859	0DD150009CA	DIODE, RGP15J TP
D861	0DD060009AC	DIODE, TVR06J TP - 600V - - 250NSEC -
D866	0DD414809ED	DIODE, 1N4148 TP GRANDE --
D900	0DD060009AC	DIODE, TVR06J TP - 600V - - 250NSEC -
D901	0DD060009AC	DIODE, TVR06J TP - 600V - - 250NSEC -
D902	0DD060009AC	DIODE, TVR06J TP - 600V - - 250NSEC -
D903	0DD060009AC	DIODE, TVR06J TP - 600V - - 250NSEC -
D904	0DD060009AC	DIODE, TVR06J TP - 600V - - 250NSEC -
D908	0DD060009AC	DIODE, TVR06J TP - 600V - - 250NSEC -
D909	0DD060009AC	DIODE, TVR06J TP - 600V - - 250NSEC -
D910	0DR140059AC	DIODE, 1N4005GP TP DO41 600V 1.0A - - -
D950	0DD060009AC	DIODE, TVR06J TP - 600V - - 250NSEC -
DB814	0DRGS00011A	DIODE, ST 5S 600V 6A 180A 100SEC 0.00001A
LD01	0DD000000BA	DIODE, SA5711-B(DL-1LO(S)) BK AMBER -
ZD001	0DZ620009BB	DIODE, MTZJ6.2B TP DO34 0.5W 6.2V 5UA -
ZD003	0DZ620009BB	DIODE, MTZJ6.2B TP DO34 0.5W 6.2V 5UA -
ZD004	0DZ620009BB	DIODE, MTZJ6.2B TP DO34 0.5W 6.2V 5UA -

LOCA. NO	PART NO	DESCRIPTION
ZD101	0DZ330009BA	DIODE, ZENER HZT33 TAPING
ZD102	0DZ330009BA	DIODE, ZENER HZT33 TAPING
ZD1201	0DZ620009BB	DIODE, MTZJ6.2B TP DO34 0.5W 6.2V 5UA -
ZD1202	0DZ620009BB	DIODE, MTZJ6.2B TP DO34 0.5W 6.2V 5UA -
ZD1205	0DZ620009BB	DIODE, MTZJ6.2B TP DO34 0.5W 6.2V 5UA -
ZD1206	0DZ620009BB	DIODE, MTZJ6.2B TP DO34 0.5W 6.2V 5UA -
ZD151	0DZ510009AK	DIODE, GDZJ5.1B TP GRANDE DO34 0.5W 5.1V
ZD351	0DZ750009AG	DIODE, MTZJ7.5B TP DO34 0.5W 7.5V 5UA -
ZD403	0DZ510009BF	DIODE, GDZ5.1B TP DO34 0.5W 5.1V 0.02A -
ZD601	0DZ820009AH	DIODE, MTZJ8.2B TP DO34 - 8.2V 5UA -
ZD901	0DZ910009AJ	DIODE, MTZJ9.1B TP DO34 0.5W 9.1V 5UA -
ZD930	0DZ180009AG	DIODE, MTZJ18B TP DO34 - 18V 5UA -
		CAPACITOR
C001	0CE106DK618	10UF STD 50V M FL TP5
C007	0CE107DD618	100UF STD 10V M FL TP5
C009	181-007C	MPE ECQ-V1H104JL3(TR), 50V 0.1UF J
C011	0CE4763F618	47UF SRE 16V M FL TP5
C013	0CQ1831N509	0.018U 100V K POLY TP5
C018	0CE106DK618	10UF STD 50V M FL TP5
C025	0CE106DK618	10UF STD 50V M FL TP5
C028	0CE106DK618	10UF STD 50V M FL TP5
C030	0CE106DF618	10UF STD 16V M FL TP5
C034	0CE106DK618	10UF STD 50V M FL TP5
C035	0CE476DD618	47UF STD 10V 20% FL TP 5
C036	0CE476DD618	47UF STD 10V 20% FL TP 5
C042	0CE106DK618	10UF STD 50V M FL TP5
C045	0CE106DK618	10UF STD 50V M FL TP5
C047	0CE107DD618	100UF STD 10V M FL TP5
C054	0CE106DK618	10UF STD 50V M FL TP5
C059	0CE107DD618	100UF STD 10V M FL TP5
C062	0CE106DK618	10UF STD 50V M FL TP5
C064	0CE107DD618	100UF STD 10V M FL TP5
C083	0CE4763F618	47UF SRE 16V M FL TP5
C101	0CE106DF618	10UF STD 16V M FL TP5
C102	0CE106DK618	10UF STD 50V M FL TP5
C103	0CN1030F679	10000P 16V M Y TA52
C104	0CE476DD618	47UF STD 10V 20% FL TP 5
C105	0CN1030F679	10000P 16V M Y TA52
C106	0CN1030F679	10000P 16V M Y TA52
C108	0CN1030F679	10000P 16V M Y TA52
C109	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C1101	0CE4763F618	47UF SRE 16V M FL TP5
C111	0CE107DD618	100UF STD 10V M FL TP5
C1130	0CQZVBK002D	A.C 275V 0.47UF K (S=22.5)
C114	0CE476DD618	47UF STD 10V 20% FL TP 5
C117	0CE227DD618	220UF STD 10V M FL TP5
C1203	0CN2210K519	220P 50V K B TA52
C1204	0CN1040K949	0.1M 50V Z F TA52
C1205	0CN2210K519	220P 50V K B TA52
C1206	0CN4710K519	470P 50V K B TA52
C1207	0CN4710K519	470P 50V K B TA52

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LOCA. NO	PART NO	DESCRIPTION
C1208	0CN2210K519	220P 50V K B TA52
C1209	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C121	0CE105DK618	1UF STD 50V M FL TP5
C121	0CE105DK618	1UF STD 50V M FL TP5
C1210	0CE106DK618	10UF STD 50V M FL TP5
C1210	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C1211	0CN2210K519	220P 50V K B TA52
C1212	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C1213	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C122	0CE107DD618	100UF STD 10V M FL TP5
C123	0CN1030F679	10000P 16V M Y TA52
C124	0CE106DF618	10UF STD 16V M FL TP5
C125	0CE108DD618	1000UF STD 10V M FL TP5
C126	0CE477DD618	470UF STD 10V M FL TP5
C127	0CE476DD618	47UF STD 10V 20% FL TP 5
C129	0CE106DK618	10UF STD 50V M FL TP5
C141	0CE337BF618	330UF KME 16V M FL TP5
C145	0CE337BF618	330UF KME 16V M FL TP5
C146	0CE107DF618	100UF STD 16V M FL TP5
C147	0CE107DD618	100UF STD 10V M FL TP5
C148	0CE476DK618	47UF STD 50V M FL TP5
C149	0CE477DD618	470UF STD 10V M FL TP5
C151	0CQ1041N509	0.1U 100V K POLY TP
C152	0CQ1041N509	0.1U 100V K POLY TP
C180	0CE477DD618	470UF STD 10V M FL TP5
C181	0CE105DK618	1UF STD 50V M FL TP5
C183	0CE105DK618	1UF STD 50V M FL TP5
C190	181-007C	MPE ECQ-V1H104JL3(TR), 50V 0.1UF J
C191	0CQ1041N509	0.1U 100V K POLY TP
C192	0CE226DF618	22UF STD 16V M FL TP5
C193	0CN1030F679	10000P 16V M Y TA52
C194	0CN1030F679	10000P 16V M Y TA52
C200	0CE105DK618	1UF STD 50V M FL TP5
C201	0CE105DK618	1UF STD 50V M FL TP5
C203	0CE477DF618	470UF STD 16V 20% FL TP 5
C203	0CN1010K519	100P 50V K B TA52
C204	0CN1010K519	100P 50V K B TA52
C205	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C206	0CE227DD618	220UF STD 10V M FL TP5
C207	0CE107DF618	100UF STD 16V M FL TP5
C207	0CE226DF618	22UF STD 16V M FL TP5
C208	0CE226DF618	22UF STD 16V M FL TP5
C212	0CN4710K519	470P 50V K B TA52
C213	0CN4710K519	470P 50V K B TA52
C213	0CE4763F618	47UF SRE 16V M FL TP5
C214	0CN1030F679	10000P 16V M Y TA52
C216	0CE105DK618	1UF STD 50V M FL TP5
C217	0CE477DF618	470UF STD 16V 20% FL TP 5
C219	0CE227DF618	220UF STD 16V M FL TP5
C219	0CE227BF618	220UF KME 16V M FL TP5
C220	0CE226DK618	22UF STD 50V M FL TP5
C220	0CE225DK618	2.2UF STD 50V 20% FL TP 5

LOCA. NO	PART NO	DESCRIPTION
C221	0CN1030F679	10000P 16V M Y TA52
C222	0CN1020K519	1000P 50V K B TA52
C225	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C239	0CE4763F618	47UF SRE 16V M FL TP5
C244	0CE477DF618	470UF STD 16V 20% FL TP 5
C301	0CE476DF618	47UF STD 16V M FL TP5
C303	0CE106DK618	10UF STD 50V M FL TP5
C304	0CE106DK618	10UF STD 50V M FL TP5
C305	0CE106DK618	10UF STD 50V M FL TP5
C306	181-007C	MPE ECQ-V1H104JL3(TR), 50V 0.1UF J
C306	181-007C	MPE ECQ-V1H104JL3(TR), 50V 0.1UF J
C306	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C307	181-007C	MPE ECQ-V1H104JL3(TR), 50V 0.1UF J
C307	181-007C	MPE ECQ-V1H104JL3(TR), 50V 0.1UF J
C307	0CE4753K618	4.7UF SRE,SE 50V 20% FL TP 5
C308	0CE106DK618	10UF STD 50V M FL TP5
C308	0CF4741L438	0.47UF D 63V 5% TP 5 M/PE NI
C309	0CE106DK618	10UF STD 50V M FL TP5
C310	0CE106DK618	10UF STD 50V M FL TP5
C310	0CE107BJ618	100UF KME 35V M FL TP5
C313	0CQ6831N509	0.068U 100V K POLY TP
C313	0CE4753K618	4.7UF SRE,SE 50V 20% FL TP 5
C313	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C314	0CE226DF618	22UF STD 16V M FL TP5
C316	0CE228DJ650	2200UF STD 35V M FM7.5 BULK
C317	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C319	0CE226DF618	22UF STD 16V M FL TP5
C322	0CE105DK618	1UF STD 50V M FL TP5
C323	0CE477DF618	470UF STD 16V 20% FL TP 5
C324	0CQ2231N509	0.022U 100V K POLY TP
C324	0CE105DK618	1UF STD 50V M FL TP5
C327	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C328	0CE105DK618	1UF STD 50V M FL TP5
C329	0CE105DK618	1UF STD 50V M FL TP5
C332	0CQ1021N519	0.001U 100V K POLY NI TP
C332	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C333	0CN3320F569	3300P 16V K X TA52
C338	0CE228DH610	2200UF STD 25V M FL BULK
C339	0CK56101515	560P 1KV K B TS
C340	181-014W	0.0033UF 2KV 5% FM MPP
C348	0CE228BH61A	2200UF KME 25V M FL TP7.5
C350	0CK56101515	560P 1KV K B TS
C401	181-091D	1000PF 1KV 10%,-10% R/TP DE0905-979
C402	181-091D	1000PF 1KV 10%,-10% R/TP DE0905-979
C403	0CK10201515	1000P 1KV K B TS
C404	181-010A	PP 400V 0.022UF J
C405	181-014Y	MPP 1.6KV 0.0015UF J
C406	0CK10201515	1000P 1KV K B TS
C408	181-015K	MPP/NI 0.0091UF 1.6KV 3% FM 20MM
C409	181-010A	PP 400V 0.022UF J
C411	181-013A	0.33UF 200V 5% FM MPP
C412	0CE226DK618	22UF STD 50V M FL TP5

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LOCA. NO	PART NO	DESCRIPTION
C413	181-038D	MPP 400V 0.24MF J
C414	0CE105DK618	1UF STD 50V M FL TP5
C414	181-010E	PP 400V 0.12UF J
C415	181-013U	MPP 630V 0.1UF J
C416	0CE107DK618	100UF STD 50V M FL TP5
C417	0CK1030K945	0.01UF 50V Z F TR
C417	0CE226DK618	22UF STD 50V M FL TP5
C418	0CN6810K519	680P 50V K B TA52
C419	0CN1030F679	10000P 16V M Y TA52
C420	0CN1010K519	100P 50V K B TA52
C421	181-009V	PP 200V 0.047UF K
C423	0CE685BK652	6.8UF KME TYPE 50V 20% FM7.5 BP(S)
C425	0CE226DF618	22UF STD 16V M FL TP5
C426	0CQ6831N509	0.068U 100V K POLY TP
C436	0CN1040K949	0.1M 50V Z F TA52
C437	0CK56101515	560P 1KV K B TS
C438	0CE107DK618	100UF STD 50V M FL TP5
C439	0CQ1021N519	0.001U 100V K POLY NI TP
C446	0CK56102515	560P 2KV K B TS
C447	0CE476DR618	47UF STD 250V 20% FL TP 5
C502	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C511	181-007H	MPE ECQ-V1H474JL3(TR), 50V 0.47UF J
C516	0CE107DF618	100UF STD 16V M FL TP5
C519	0CE226DK618	22UF STD 50V M FL TP5
C520	0CQ6831N509	0.068U 100V K POLY TP
C522	0CE107DF618	100UF STD 16V M FL TP5
C524	0CE684DK618	0.68UF STD 50V 20% FL TP 5
C526	0CQ4721N519	0.0047U 100V K POLY NI TP
C529	0CQ1041N455	0.1000UF 100V J PP NI FM7.5
C530	0CQ1041N455	0.1000UF 100V J PP NI FM7.5
C531	181-442Z	PE,ECQ-B1H104KF3(TR)
C537	0CE107DF618	100UF STD 16V M FL TP5
C538	0CE107DF618	100UF STD 16V M FL TP5
C553	0CE107DF618	100UF STD 16V M FL TP5
C555	0CE227DF618	220UF STD 16V M FL TP5
C570	0CE107DF618	100UF STD 16V M FL TP5
C584	181-007H	MPE ECQ-V1H474JL3(TR), 50V 0.47UF J
C591	0CE476DF618	47UF STD 16V M FL TP5
C593	0CQ1031N509	0.01U 100V K POLY TP
C601	0CE4753K618	4.7UF SRE,SE 50V 20% FL TP 5
C601	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C602	0CN4720F569	4700P 16V K X TA52
C602	0CN3320F569	3300P 16V K X TA52
C603	0CN4720F569	4700P 16V K X TA52
C603	0CN3320F569	3300P 16V K X TA52
C604	0CN2210K519	220P 50V K B TA52
C605	0CN1520F569	1500P 16V K X TA52
C606	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C607	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C608	0CN3320F569	3300P 16V K X TA52
C609	0CN1030F679	10000P 16V M Y TA52
C610	0CE106DF618	10UF STD 16V M FL TP5

LOCA. NO	PART NO	DESCRIPTION
C611	0CN1030F679	10000P 16V M Y TA52
C612	0CN1030F679	10000P 16V M Y TA52
C613	0CE107DD618	100UF STD 10V M FL TP5
C614	0CN1510K519	150P 50V K B TA52
C614	0CN1030F679	10000P 16V M Y TA52
C615	0CX5600K409	56P 50V J SL TA52
C617	0CN1040K949	0.1M 50V Z F TA52
C618	181-007G	MPE ECQ-V1H334JL3(TR), 50V 0.33UF J
C619	181-007G	MPE ECQ-V1H334JL3(TR), 50V 0.33UF J
C620	181-442Z	PE,ECQ-B1H104KF3(TR)
C621	0CN1030F679	10000P 16V M Y TA52
C622	0CN1020K519	1000P 50V K B TA52
C622	0CN3320F569	3300P 16V K X TA52
C623	0CE106DF618	10UF STD 16V M FL TP5
C624	0CX5600K409	56P 50V J SL TA52
C625	0CX5600K409	56P 50V J SL TA52
C626	0CN4710K519	470P 50V K B TA52
C627	0CX5600K409	56P 50V J SL TA52
C628	0CC0200K115	2PF D 50V 0.5 PF NP0 TR
C629	0CC0200K115	2PF D 50V 0.5 PF NP0 TR
C630	0CN1030F679	10000P 16V M Y TA52
C631	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C631	0CE476DD618	47UF STD 10V 20% FL TP 5
C632	0CQ1041N509	0.1U 100V K POLY TP
C632	0CE476DF618	47UF STD 16V M FL TP5
C633	0CN2720F569	2700P 16V K X TA52
C634	0CN2720F569	2700P 16V K X TA52
C635	0CN2720F569	2700P 16V K X TA52
C636	0CN2720F569	2700P 16V K X TA52
C637	0CN1030F679	10000P 16V M Y TA52
C638	0CN1030F679	10000P 16V M Y TA52
C639	181-442Z	PE,ECQ-B1H104KF3(TR)
C640	181-442Z	PE,ECQ-B1H104KF3(TR)
C641	0CN1020K519	1000P 50V K B TA52
C641	0CE106DF618	10UF STD 16V M FL TP5
C642	0CN1020K519	1000P 50V K B TA52
C642	0CE477DF618	470UF STD 16V 20% FL TP 5
C643	0CE107DF618	100UF STD 16V M FL TP5
C644	0CE107DF618	100UF STD 16V M FL TP5
C645	0CE107DF618	100UF STD 16V M FL TP5
C646	0CE107DF618	100UF STD 16V M FL TP5
C646	0CE1074F618	100UF SRA 16V M FL TP5
C648	0CN1040K949	0.1M 50V Z F TA52
C649	0CN1040K949	0.1M 50V Z F TA52
C650	0CE108DK61A	1000UF STD 50V M FL TP7.5
C650	0CE477DN650	470UF STD 100V 20% FM7.5 BULK
C651	0CQ2231N509	0.022U 100V K POLY TP
C652	0CQ2231N509	0.022U 100V K POLY TP
C653	0CE106DK618	10UF STD 50V M FL TP5
C654	0CE106DK618	10UF STD 50V M FL TP5
C655	0CE226DK618	22UF STD 50V M FL TP5
C656	0CE226DK618	22UF STD 50V M FL TP5

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LOCA. NO	PART NO	DESCRIPTION
C657	0CQ1041N509	0.1U 100V K POLY TP
C658	0CQ1041N509	0.1U 100V K POLY TP
C659	0CE108DK61A	1000UF STD 50V M FL TP7.5
C661	0CQ1041N509	0.1U 100V K POLY TP
C662	0CQ1041N509	0.1U 100V K POLY TP
C662	181-007G	MPE ECQ-V1H334JL3(TR), 50V 0.33UF J
C662	0CN3320F569	3300P 16V K X TA52
C663	0CE105DK618	1UF STD 50V M FL TP5
C663	181-007G	MPE ECQ-V1H334JL3(TR), 50V 0.33UF J
C664	0CE106DK618	10UF STD 50V M FL TP5
C664	0CE226DK618	22UF STD 50V M FL TP5
C664	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C666	0CE108DK61A	1000UF STD 50V M FL TP7.5
C672	0CQ2231N509	0.022U 100V K POLY TP
C674	0CE106DK618	10UF STD 50V M FL TP5
C676	0CE226DK618	22UF STD 50V M FL TP5
C678	0CQ1041N509	0.1U 100V K POLY TP
C680	0CE477DK618	470UF STD 50V 20% FL TP 5
C680	0CN1040K949	0.1M 50V Z F TA52
C681	0CN4710K519	470P 50V K B TA52
C681	0CQ1041N509	0.1U 100V K POLY TP
C682	0CN4710K519	470P 50V K B TA52
C682	0CQ1041N509	0.1U 100V K POLY TP
C683	0CE105DK618	1UF STD 50V M FL TP5
C684	0CE106DK618	10UF STD 50V M FL TP5
C684	0CE226DK618	22UF STD 50V M FL TP5
C684	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C803	181-091G	470PF 2KV 10%,-10% R/TP DE0907-486
C806	181-014Y	MPP 1.6KV 0.0015UF J
C807	181-091C	470PF 1KV 10%,-10% R/TP DE0705-979F
C808	0CE107BJ618	100UF KME 35V M FL TP5
C809	0CK1020K515	1000P 50V K B TS
C811	181-120K	2200PF 4KV M E FMTW LEAD 4.5
C813	181-091D	1000PF 1KV 10%,-10% R/TP DE0905-979
C814	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C815	181-091C	470PF 1KV 10%,-10% R/TP DE0705-979F
C816	181-091D	1000PF 1KV 10%,-10% R/TP DE0905-979
C817	0CN1030F679	10000P 16V M Y TA52
C818	0CN1040K949	0.1M 50V Z F TA52
C821	181-001U	LUG(85) 470UF 450V 20% FM
C852	181-091C	470PF 1KV 10%,-10% R/TP DE0705-979F
C853	0CE108DF618	1000UF STD 16V M FL TP5
C854	0CE227DJ618	220UF STD 35V M FL TP5
C855	0CE477DD618	470UF STD 10V M FL TP5
C856	181-091C	470PF 1KV 10%,-10% R/TP DE0705-979F
C857	0CE228BF618	2200UF KME 16V M FL TP5
C858	0CE108BF618	1000UF KME 16V M FL TP5
C859	181-091C	470PF 1KV 10%,-10% R/TP DE0705-979F
C860	0CE107DF618	100UF STD 16V M FL TP5
C861	0CE108BF618	1000UF KME 16V M FL TP5
C862	0CE475CK636	4.7UF SHL,SD 50V 20% FM5 BP(D) TP
C863	181-091C	470PF 1KV 10%,-10% R/TP DE0705-979F

LOCA. NO	PART NO	DESCRIPTION
C865	0CE228CL611	2200UF SHL,SD 63V M FL BK7.5
C866	0CK4710W515	470PF 500V K B TR
C867	0CE107DN618	100UF STD 100V M FL TP5
C868	0CE227DD618	220UF STD 10V M FL TP5
C869	0CE106DH618	10UF STD 25V M FL TP5
C870	181-091D	1000PF 1KV 10%,-10% R/TP DE0905-979
C871	0CE227DP650	220UF STD 160V M FM7.5 BULK
C872	0CE227BP650	220UF KME TYPE 160V 20% FM7.5 BULK
C873	0CQ1041N509	0.1U 100V K POLY TP
C875	0CE108BF618	1000UF KME 16V M FL TP5
C900	0CE475BR618	4.7UF KME TYPE 250V 20% FL TP 5
C901	0CE475BR618	4.7UF KME TYPE 250V 20% FL TP 5
C902	0CE475DR618	4.7UF STD 250V 20% FL TP 5
C903	0CC0500K115	5P 50V D NP0 TS
C904	0CE475BR618	4.7UF KME TYPE 250V 20% FL TP 5
C905	0CK5610W515	560P 500V K B TS
C906	0CN1040K949	0.1M 50V Z F TA52
C907	0CN1040K949	0.1M 50V Z F TA52
C908	0CE475DR618	4.7UF STD 250V 20% FL TP 5
C910	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C911	0CN1040K949	0.1M 50V Z F TA52
C912	0CN1040K949	0.1M 50V Z F TA52
C914	0CE228DF618	2200UF STD 16V M FL TP5
C915	0CK5610W515	560P 500V K B TS
C916	181-033T	2KV B 222K TP7.5
C917	0CN1040K949	0.1M 50V Z F TA52
C918	0CC0500K115	5P 50V D NP0 TS
C919	0CK5610W515	560P 500V K B TS
C925	0CN1040K949	0.1M 50V Z F TA52
C950	0CN1030F679	10000P 16V M Y TA52
C951	0CE107DF618	100UF STD 16V M FL TP5
C952	0CN1510K519	150P 50V K B TA52
C953	0CE107DJ618	100UF STD 35V M FL TP5
C954	0CE107DF618	100UF STD 16V M FL TP5
C955	0CK1010W515	100P 500V K B TS
C956	0CE106DP618	10UF STD 160V M FL TP5
C957	0CK1030W510	0.01U 500V K B S
C958	0CE107DF618	100UF STD 16V M FL TP5
C959	0CK1030W510	0.01U 500V K B S
C960	0CE106DP618	10UF STD 160V M FL TP5

COIL & INDUCTOR

L001	0LC1032101A	INDUCTOR,CHIP 10UH 10% 3216 R/TC
L002	0LC1032101A	INDUCTOR,CHIP 10UH 10% 3216 R/TC
L003	0LC1032101A	INDUCTOR,CHIP 10UH 10% 3216 R/TC
L004	0LC1032101A	INDUCTOR,CHIP 10UH 10% 3216 R/TC
L005	0LC1032101A	INDUCTOR,CHIP 10UH 10% 3216 R/TC
L006	0LC1032101A	INDUCTOR,CHIP 10UH 10% 3216 R/TC
L007	0LC1032101A	INDUCTOR,CHIP 10UH 10% 3216 R/TC
L008	0LC1032101A	INDUCTOR,CHIP 10UH 10% 3216 R/TC
L009	0LC1032101A	INDUCTOR,CHIP 10UH 10% 3216 R/TC
L011	0LC1032101A	INDUCTOR,CHIP 10UH 10% 3216 R/TC

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RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
L012	0LC1032101A	INDUCTOR,CHIP 10UH 10% 3216 R/TC
L101	0LA0102K139	INDUCTOR,AXIAL LEAD10UH K 4*10.5 TP
L1101	0LA1000K119	INDUCTOR,AXIAL LEAD100UH K 2.3*3.4 TP
L1201	0LA0472K119	INDUCTOR,AXIAL LEAD47UH K 2.3*3.4 TP
L1202	0LA0472K119	INDUCTOR,AXIAL LEAD47UH K 2.3*3.4 TP
L1203	0LA0472K119	INDUCTOR,AXIAL LEAD47UH K 2.3*3.4 TP
L1204	0LA0472K119	INDUCTOR,AXIAL LEAD47UH K 2.3*3.4 TP
L204	0LA0102K119	INDUCTOR,AXIAL LEAD10UH K 2.3*3.4 TP
L205	0LA0102K119	INDUCTOR,AXIAL LEAD10UH K 2.3*3.4 TP
L206	0LA0102K119	INDUCTOR,AXIAL LEAD10UH K 2.3*3.4 TP
L207	0LA0102K119	INDUCTOR,AXIAL LEAD10UH K 2.3*3.4 TP
L301	0LA0102K119	INDUCTOR,AXIAL LEAD10UH K 2.3*3.4 TP
L302	0LA0102K119	INDUCTOR,AXIAL LEAD10UH K 2.3*3.4 TP
L304	0LA0102K119	INDUCTOR,AXIAL LEAD10UH K 2.3*3.4 TP
L305	0LA0102K119	INDUCTOR,AXIAL LEAD10UH K 2.3*3.4 TP
L307	0LA0102K119	INDUCTOR,AXIAL LEAD10UH K 2.3*3.4 TP
L309	0LA0102K119	INDUCTOR,AXIAL LEAD10UH K 2.3*3.4 TP
L333	150-C02V	COIL,CHOKE 10UH R 1318
L334	150-C02V	COIL,CHOKE 10UH R 1318
L401	6140VY0016A	COIL,LINEARITY L81 YL81 5.2UH 4T*5T
L402	150-C13B	COIL,CHOKE 52UH PHY TURN
L403	150-C13B	COIL,CHOKE 52UH PHY TURN
L404	150-W01A	COIL,CHOKE WIDTH 24UH
L407	150-717K	COIL,CHOKE 1.1UH PHY TURN
L501	0LC2232101A	INDUCTOR,CHIP 22UH 10% 3216 R/TC
L502	0LC4732101A	INDUCTOR,CHIP 4.7UH 10% 3216 R/TC
L503	0LC4732101A	INDUCTOR,CHIP 4.7UH 10% 3216 R/TC
L601	0LA0102K119	INDUCTOR,AXIAL LEAD10UH K 2.3*3.4 TP
L603	0LA0102K119	INDUCTOR,AXIAL LEAD10UH K 2.3*3.4 TP
L604	0LA0102K119	INDUCTOR,AXIAL LEAD10UH K 2.3*3.4 TP
L605	0LA0102K119	INDUCTOR,AXIAL LEAD10UH K 2.3*3.4 TP
L606	0LA0102K119	INDUCTOR,AXIAL LEAD10UH K 2.3*3.4 TP
L853	150-C02F	COIL,CHOKE 82UH PHY TURN
L901	0LA0272K139	INDUCTOR,AXIAL LEAD 27UH K 4X10.5 TP
R116	0LC0233002A	INDUCTOR,CHIP 3.3UH R/TP
T401	6170VC0002A	TRANSFORMER,DRIVER H-DRIVE EER-2619
T403	151-E06A	TRANSFORMER,POWER EER2834 0UH
T802	6170VMCA16Z	TRANSFORMER,SMPS[COIL]EE5555 390UH

CONNECTOR

P004B	366-173J	CONNECTOR, 2.5MM 10*2P AEPH-254 A/K R/A
P005B	366-173J	CONNECTOR, 2.5MM 10*2P AEPH-254 A/K R/A
P006B	366-173L	CONNECTOR, 2.5MM 12*2P AEPH-254 A/K R/N
P007	366-922L	CONNECTOR, 2.5MM 12P GIL-G LG CABLE R/A
P009	366-922D	CONNECTOR, 2.5MM 5P GIL-G LG CABLE R/A
P101A	366-932E	CONNECTOR, 2.5MM 6P GIL-G LG CABLE S
P101A	366-922J	CONNECTOR, 2.5MM 10P GIL-G LG CABLE R/A
P101B	387-A06B	CONNECTOR, 6P 2.5MM 150MM H-B UL 1007
P101C	366-922E	CONNECTOR, 2.5MM 6P GIL-G LG CABLE R/A
P102	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P1101	366-922L	CONNECTOR, 2.5MM 12P GIL-G LG CABLE R/A
P1103	387-552S	CONNECTOR, 2P 10.0MM 400MM H-H

LOCA. NO	PART NO	DESCRIPTION
P151	6631V25094K	CONNECTOR, 4P 2.5MM 600MM H-H UL1007
P190	6631V25A21A	CONNECTOR, 3P 2.5MM 100MM B-H UL1007
P211B	366-173J	CONNECTOR, 2.5MM 10*2P AEPH-254 A/K R/A
P212B	366-173G	CONNECTOR, 2.5MM 8*2P AEPH-254 A/K R/A
P213B	366-173G	CONNECTOR, 2.5MM 8*2P AEPH-254 A/K R/A
P214B	366-173H	CONNECTOR, 2.5MM 9*2P AEPH-254 A/K R/N
P215B	366-173N	CONNECTOR, AEPH254-D28R(14*2)
P401	366-043K	CONNECTOR, PLUG(4P)
P601A	366-922L	CONNECTOR, 2.5MM 12P GIL-G LG CABLE R/A
P601B	366-921L	CONNECTOR, 2.5MM 12P GIL-G LG CABLE .
P602A	366-932C	CONNECTOR, 2.5MM 4P GIL-G LG CABLE S
P602B	387-B04M	CONNECTOR, 4P 2.5MM 800MM
P605A	366-921L	CONNECTOR, 2.5MM 12P GIL-G LG CABLE .
P640	387-A15D	CONNECTOR, 12P 2.5MM 250MM H-B UL1007
P650	6631V25A21H	CONNECTOR, 3P 2.5MM 450MM B-H UL1007
P660	6631V25094G	CONNECTOR, 4P 2.5MM 400MM H-H UL1007
P680	6631V25A21G	CONNECTOR, 3P 2.5MM 400MM B-H UL1007
P803A	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P803B	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P822A	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P822B	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P823	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P824	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P901A	366-922L	CONNECTOR, 2.5MM 12P GIL-G LG CABLE R/A
P901B	366-921L	CONNECTOR, 2.5MM 12P GIL-G LG CABLE .
P902A	366-921J	CONNECTOR, 2.5MM 10P GIL-G LG CABLE .
P902B	387-A10G	CONNECTOR, 10P 2.5MM 400MM H-B UL1007
P905	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P906	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P950	366-932B	CONNECTOR, 2.5MM 3P GIL-G LG CABLE S

RESISTOR

AR001	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
AR002	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
AR003	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
AR004	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
AR005	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
AR006	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
AR007	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
AR008	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
AR009	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
AR011	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
F851	0RP0020J809	0.02 OHM 1 W 20% TA52
F853	0RP0020J809	0.02 OHM 1 W 20% TA52
F855	0RP0050H709	0.05 OHM 1/2 W 10% TA52
F856	0RP0020J809	0.02 OHM 1 W 20% TA52
FB854	0RF0470H609	0.47 OHM 1/2 W 5.00% TA52
FR359	0RP0050H709	0.05 OHM 1/2 W 10% TA52
FR360	0RP0050H709	0.05 OHM 1/2 W 10% TA52
FR442	0RF0391K607	3.9 OHM 2 W 5.00% TA62
FR443	0RP0050H709	0.05 OHM 1/2 W 10% TA52
FR448	0RP0050H709	0.05 OHM 1/2 W 10% TA52

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LOCA. NO	PART NO	DESCRIPTION
J111	0RD3300A609	330 OHM 1/2 W(7.0) 5.00% TA52
J204	0RD1000F609	100 OHM 1/6 W 5% TA52
J315	0RS0101J607	1 OHM 1 W 5.00% TA62
J622	0RD1000F609	100 OHM 1/6 W 5% TA52
J625	0RD1000F609	100 OHM 1/6 W 5% TA52
J626	0RD1000F609	100 OHM 1/6 W 5% TA52
J627	0RD1000F609	100 OHM 1/6 W 5% TA52
L602	0RD0102A609	10 OHM 1/2 W(7.0) 5.00% TA52
R101	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R102	0RD0822F609	82 OHM 1/6 W 5.00% TA52
R103	0RS1801H609	1.8K OHM 1/2 W 5.00% TA52
R104	0RD0102F609	10 OHM 1/6 W 5% TA52
R105	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R107	0RD1000F609	100 OHM 1/6 W 5% TA52
R108	0RD1000F609	100 OHM 1/6 W 5% TA52
R109	0RD1000F609	100 OHM 1/6 W 5% TA52
R110	0RD1000F609	100 OHM 1/6 W 5% TA52
R1102	0RD1301F609	1.3K OHM 1/6 W 5.00% TA52
R1103	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R1104	0RD8201F609	8.2K OHM 1/6 W 5.00% TA52
R1106	0RD1301F609	1.3K OHM 1/6 W 5.00% TA52
R1107	0RD1000F609	100 OHM 1/6 W 5% TA52
R1108	0RD1000F609	100 OHM 1/6 W 5% TA52
R111	0RD8201F609	8.2K OHM 1/6 W 5.00% TA52
R1110	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R1110	0RD5600F609	560 OHM 1/6 W 5% TA52
R1111	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R1111	0RD5600F609	560 OHM 1/6 W 5% TA52
R1113	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R1113	0RD5600F609	560 OHM 1/6 W 5% TA52
R1114	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R1115	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R1116	0RD0222F609	22 OHM 1/6 W 5.00% TA52
R1117	0RD1001F609	1K OHM 1/6 W 5% TA52
R1118	0RD1301F609	1.3K OHM 1/6 W 5.00% TA52
R1118	0RD1001F609	1K OHM 1/6 W 5% TA52
R112	0RD1002F609	10K OHM 1/6 W 5% TA52
R1123	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R1123	0RD5600F609	560 OHM 1/6 W 5% TA52
R113	0RD0102F609	10 OHM 1/6 W 5% TA52
R1130	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52 PILKOR
R116	0RD1002F609	10K OHM 1/6 W 5% TA52
R117	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R119	0RD0102F609	10 OHM 1/6 W 5% TA52
R1204	0RD2403F609	240K OHM 1/6 W 5.00% TA52
R1206	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R1208	0RD2403F609	240K OHM 1/6 W 5.00% TA52
R1212	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R125	0RD1000F609	100 OHM 1/6 W 5% TA52
R126	0RD1000F609	100 OHM 1/6 W 5% TA52
R127	0RD1000F609	100 OHM 1/6 W 5% TA52
R128	0RD0222F609	22 OHM 1/6 W 5.00% TA52

LOCA. NO	PART NO	DESCRIPTION
R129	0RD1000F609	100 OHM 1/6 W 5% TA52
R1292	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R130	0RD1000F609	100 OHM 1/6 W 5% TA52
R131	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R132	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R133	0RD2400F609	240 OHM 1/6 W 5.00% TA52
R134	0RD1001F609	1K OHM 1/6 W 5% TA52
R135	0RS1801H609	1.8K OHM 1/2 W 5.00% TA52
R136	0RD1002F609	10K OHM 1/6 W 5% TA52
R137	0RD1002F609	10K OHM 1/6 W 5% TA52
R138	0RD0102F609	10 OHM 1/6 W 5% TA52
R151	0RD1000F609	100 OHM 1/6 W 5% TA52
R152	0RD1000F609	100 OHM 1/6 W 5% TA52
R153	0RD0272H609	27 OHM 1/2 W 5.00% TA52
R190	0RD1000F609	100 OHM 1/6 W 5% TA52
R191	0RD1002F609	10K OHM 1/6 W 5% TA52
R192	0RD1000F609	100 OHM 1/6 W 5% TA52
R193	0RD1001F609	1K OHM 1/6 W 5% TA52
R194	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R195	0RD1002F609	10K OHM 1/6 W 5% TA52
R196	0RD1001F609	1K OHM 1/6 W 5% TA52
R197	0RD0272A609	27 OHM 1/2 W(7.0) 5.00% TA52
R198	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R199	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R205	0RS0271J607	2.7 OHM 1 W 5.00% TA62
R211	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R217	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R219	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R311	0RD1002F609	10K OHM 1/6 W 5% TA52
R312	0RD8202F609	82K OHM 1/6 W 5.00% TA52
R313	0RD1802F609	18K OHM 1/6 W 5.00% TA52
R314	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R318	0RS0331K607	3.3 OHM 2 W 5.00% TA62
R318	0RS0331K619	3.3 OHM 2 W 5% TR
R324	0RD0392F609	39 OHM 1/6 W 5.00% TA52
R325	0RD3901F609	3.9K OHM 1/6 W 5% TA52
R325	0RD1202F609	12K OHM 1/6 W 5% TA52
R326	0RN5601F409	5.6K OHM 1/6 W 1.00% TA52
R327	0RN5601F409	5.6K OHM 1/6 W 1.00% TA52
R328	0RS3300K607	330 OHM 2 W 5.00% TA62
R329	0RN0101J607	1 OHM 1 W 5.00% TA62
R330	0RN0101J607	1 OHM 1 W 5.00% TA62
R331	0RN1001F409	1K OHM 1/6 W 1.00% TA52
R332	0RD3901F609	3.9K OHM 1/6 W 5% TA52
R332	0RD1202F609	12K OHM 1/6 W 5% TA52
R401	0RD1002F609	10K OHM 1/6 W 5% TA52
R403	0RN1002F409	10K OHM 1/6 W 1.00% TA52
R403	0RS1001K619	1K OHM 2 W 5% TR
R404	0RS4701K619	4.7K OHM 2 W 5% TR
R405	180-A01B	RW ROUND G 2W 0.11 K TA31(63)
R406	0RS0561K619	5.6 OHM 2 W 5% TR
R407	0RS3300K607	330 OHM 2 W 5.00% TA62

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN : Ceramic
CQ : Polyestor
CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
R408	0RD6801A609	6.8K OHM 1/2 W(7.0) 5.00% TA52
R410	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R412	0RD7503F609	750K OHM 1/6 W 5.00% TA52
R413	0RN4701F409	4.7K OHM 1/6 W 1.00% TA52
R414	0RD3602F609	36K OHM 1/6 W 5.00% TA52
R415	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R415	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R415	0RN1501F409	1.5K OHM 1/6 W 1.00% TA52
R416	0RN4702F409	47K OHM 1/6 W 1.00% TA52
R417	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R418	0RD2701A609	2.7K OHM 1/2 W(7.0) 5.00% TA52
R419	0RN1501F409	1.5K OHM 1/6 W 1.00% TA52
R420	0RD1001F609	1K OHM 1/6 W 5% TA52
R421	0RD0221F609	2.2 OHM 1/6 W 5.00% TA52
R422	0RD1001A609	1K OHM 1/2 W(7.0) 5.00% TA52
R423	0RD2001A609	2K OHM 1/2 W(7.0) 5.00% TA52
R424	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R425	0RD2400A609	240 OHM 1/2 W(7.0) 5.00% TA52
R426	0RD1000A609	100 OHM 1/2 W(7.0) 5.00% TA52
R430	0RS4701H609	4.7K OHM 1/2 W 5.00% TA52
R431	0RS6802H609	68K OHM 1/2 W 5.00% TA52
R434	0RS3901H609	3.9K OHM 1/2 W 5.00% TA52
R450	0RD0221A609	2.2 OHM 1/2 W(7.0) 5.00% TA52
R451	180-C02M	5.6K OHM 1/2 W 10% TA52 ERC12GK562V
R490	180-B01E	RS RECT S 5W 15K J DOUBLE
R514	0RN4701F409	4.7K OHM 1/6 W 1.00% TA52
R536	0RN1002F409	10K OHM 1/6 W 1.00% TA52
R601	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R602	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R611	0RD0102F609	10 OHM 1/6 W 5% TA52
R612	0RD1000F609	100 OHM 1/6 W 5% TA52
R613	0RD1000F609	100 OHM 1/6 W 5% TA52
R614	0RD1002F609	10K OHM 1/6 W 5% TA52
R615	0RD1002F609	10K OHM 1/6 W 5% TA52
R616	0RD3001F609	3K OHM 1/6 W 5.00% TA52
R617	0RD3001F609	3K OHM 1/6 W 5.00% TA52
R618	0RD0471F609	4.7 OHM 1/6 W 5% TA52
R619	0RD0471F609	4.7 OHM 1/6 W 5% TA52
R620	0RD0122F609	12 OHM 1/6 W 5.00% TA52
R621	0RD0122F609	12 OHM 1/6 W 5.00% TA52
R623	0RD1000F609	100 OHM 1/6 W 5% TA52
R624	0RD1000F609	100 OHM 1/6 W 5% TA52
R625	0RD1000F609	100 OHM 1/6 W 5% TA52
R628	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R629	0RD3901F609	3.9K OHM 1/6 W 5% TA52
R630	0RD1000F609	100 OHM 1/6 W 5% TA52
R631	0RD1001F609	1K OHM 1/6 W 5% TA52
R632	0RD3901F609	3.9K OHM 1/6 W 5% TA52
R632	0RD4703F609	470K OHM 1/6 W 5.00% TA52
R633	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R633	0RD1502F609	15K OHM 1/6 W 5.00% TA52
R634	0RD1002F609	10K OHM 1/6 W 5% TA52

LOCA. NO	PART NO	DESCRIPTION
R634	0RD1000F609	100 OHM 1/6 W 5% TA52
R635	0RD1001F609	1K OHM 1/6 W 5% TA52
R636	0RD2002F609	20K OHM 1/6 W 5.00% TA52
R641	0RD2703F609	270K OHM 1/6 W 0.05 TA52
R642	0RD1001F609	1K OHM 1/6 W 5% TA52
R643	0RD1002F609	10K OHM 1/6 W 5% TA52
R644	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R645	0RD1002F609	10K OHM 1/6 W 5% TA52
R646	0RD1002F609	10K OHM 1/6 W 5% TA52
R651	0RD5100F609	510 OHM 1/6 W 5.00% TA52
R652	0RD5100F609	510 OHM 1/6 W 5.00% TA52
R653	0RD1002F609	10K OHM 1/6 W 5% TA52
R654	0RD1002F609	10K OHM 1/6 W 5% TA52
R655	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R656	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R657	0RD4703F609	470K OHM 1/6 W 5.00% TA52
R658	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R658	0RD1001F609	1K OHM 1/6 W 5% TA52
R659	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R659	0RD1001F609	1K OHM 1/6 W 5% TA52
R660	0RD4703F609	470K OHM 1/6 W 5.00% TA52
R661	0RD1001F609	1K OHM 1/6 W 5% TA52
R662	0RD1001F609	1K OHM 1/6 W 5% TA52
R663	0RD2002F609	20K OHM 1/6 W 5.00% TA52
R664	0RD2002F609	20K OHM 1/6 W 5.00% TA52
R665	0RD0471F609	4.7 OHM 1/6 W 5% TA52
R666	0RD0471F609	4.7 OHM 1/6 W 5% TA52
R667	0RD9102F609	91K OHM 1/6 W 5.00% TA52
R668	0RD2202F609	22K OHM 1/6 W 5% TA52
R668	0RD1001F609	1K OHM 1/6 W 5% TA52
R669	0RD1003F609	100K OHM 1/6 W 5% TA52
R669	0RD1001F609	1K OHM 1/6 W 5% TA52
R671	0RD5100F609	510 OHM 1/6 W 5.00% TA52
R672	0RD5100F609	510 OHM 1/6 W 5.00% TA52
R674	0RD1002F609	10K OHM 1/6 W 5% TA52
R675	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R676	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R678	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R680	0RD1300A609	130 OHM 1/2 W(7.0) 5.00% TA52
R680	0RD4703F609	470K OHM 1/6 W 5.00% TA52
R682	0RD1001F609	1K OHM 1/6 W 5% TA52
R683	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R684	0RD2202F609	22K OHM 1/6 W 5% TA52
R684	0RD1302F609	13K OHM 1/6 W 5.00% TA52
R685	0RD0471F609	4.7 OHM 1/6 W 5% TA52
R686	0RD0471F609	4.7 OHM 1/6 W 5% TA52
R687	0RD9102F609	91K OHM 1/6 W 5.00% TA52
R688	0RD2202F609	22K OHM 1/6 W 5% TA52
R689	0RD1003F609	100K OHM 1/6 W 5% TA52
R690	0RS4701K619	4.7K OHM 2 W 5% TR
R691	0RS4701K619	4.7K OHM 2 W 5% TR
R803	0RD0201A609	2 OHM 1/2 W(7.0) 5.00% TA52

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CE : Electrolytic

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RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
R804	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R805	0RD1001F609	1K OHM 1/6 W 5% TA52
R806	180-A01P	0.13 OHM 2 W 5% TA62 RWR
R807	0RK8204H609	8.2M OHM 1/2 W 5.00% TA52
R808	0RD3001F609	3K OHM 1/6 W 5.00% TA52
R809	0RS2402K607	24K OHM 2 W 5.00% TA62
R810	0RS2402K619	24K OHM 2 W 5% TR
R816	180-A01D	RW ROUND G 2W 0.16 J TA31(63)
R821	0RD6801H609	6.8K OHM 1/2 W 5.00% TA52
R832	0RD2400F609	240 OHM 1/6 W 5.00% TA52
R832	0RD2400F609	240 OHM 1/6 W 5.00% TA52
R833	0RD2203A609	220K OHM 1/2 W(7.0) 5.00% TA52
R850	0RS0331K607	3.3 OHM 2 W 5.00% TA62
R855	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R856	0RD4702F609	47K OHM 1/6 W 5% TA52
R857	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R859	0RD7501F609	7.5K OHM 1/6 W 5.00% TA52
R860	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R862	0RD4702F609	47K OHM 1/6 W 5% TA52
R863	0RD2001F609	2K OHM 1/6 W 5% TA52
R864	0RF0161K607	1.6 OHM 2 W 5.00% TA62
R865	0RF0161K607	1.6 OHM 2 W 5.00% TA62
R866	0RS1002H609	10K OHM 1/2 W 5.00% TA52
R867	0RD7502A609	75K OHM 1/2 W(7.0) 5.00% TA52
R868	0RD1002F609	10K OHM 1/6 W 5% TA52
R869	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R870	0RD4702F609	47K OHM 1/6 W 5% TA52
R873	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R874	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R876	0RN1501F409	1.5K OHM 1/6 W 1.00% TA52
R877	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R902	0RD4702F609	47K OHM 1/6 W 5% TA52
R903	0RS5602K607	56K OHM 2 W 5.00% TA62
R905	0RD9100F609	910 OHM 1/6 W 5.00% TA52
R906	0RD1001F609	1K OHM 1/6 W 5% TA52
R907	0RS5602K607	56K OHM 2 W 5.00% TA62
R908	0RS4700H609	470 OHM 1/2 W 5.00% TA52
R909	0RN3302F409	33K OHM 1/6 W 1.00% TA52
R910	0RF0101K607	1 OHM 2 W 5.00% TA62
R911	0RD1001F609	1K OHM 1/6 W 5% TA52
R912	0RN5601F409	5.6K OHM 1/6 W 1.00% TA52
R914	0RD3001F609	3K OHM 1/6 W 5.00% TA52
R915	0RD9100F609	910 OHM 1/6 W 5.00% TA52
R916	0RKZVTA001L	1.0M OHM 1/2 W 5% TA52 UL PILKOR
R917	0RD1803H609	180K OHM 1/2 W 5% TA52
R918	0RS5602K607	56K OHM 2 W 5.00% TA62
R921	0RN2001F409	2K OHM 1/6 W 1.00% TA52
R929	0RD3001F609	3K OHM 1/6 W 5.00% TA52
R930	0RS4700H609	470 OHM 1/2 W 5.00% TA52
R938	0RS4700H609	470 OHM 1/2 W 5.00% TA52
R946	0RD9100F609	910 OHM 1/6 W 5.00% TA52
R947	0RD3001F609	3K OHM 1/6 W 5.00% TA52

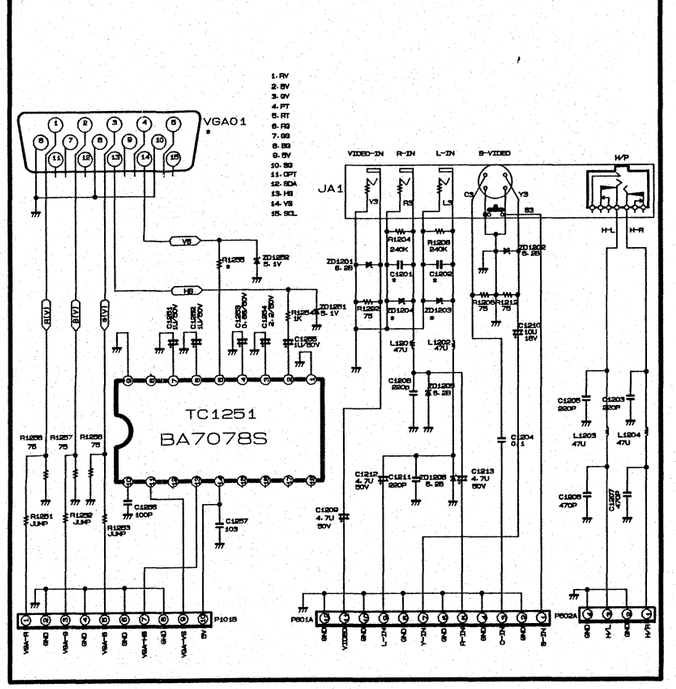
LOCA. NO	PART NO	DESCRIPTION
R950	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R951	0RS0392J607	39 OHM 1 W 5.00% TA62
R952	0RD0622F609	62 OHM 1/6 W 5.00% TA52
R953	0RS4300J607	430 OHM 1 W 5.00% TA62
R954	0RS3300J607	330 OHM 1 W 5.00% TA62
R955	0RS1201K607	1.2K OHM 2 W 5.00% TA62
ZD851	0RD4702F609	47K OHM 1/6 W 5% TA52
SWITCH		
SW01	140-315F	SWITCH, TACT 4LEAD NON 0V 0.02A 160G
SW02	140-315F	SWITCH, TACT 4LEAD NON 0V 0.02A 160G
SW03	140-315F	SWITCH, TACT 4LEAD NON 0V 0.02A 160G
SW04	140-315F	SWITCH, TACT 4LEAD NON 0V 0.02A 160G
SW05	140-315F	SWITCH, TACT 4LEAD NON 0V 0.02A 160G
SW06	140-315F	SWITCH, TACT 4LEAD NON 0V 0.02A 160G
SW1101	6600VM2002A	SWITCH,PUSH SDKEA3 IEC 250V 8A 480G
FILTER & CRYSTAL		
FB204	125-022K	FILTER, FERRITE 1UH TAPING
FB301	125-022K	FILTER, FERRITE 1UH TAPING
FB401	125-022K	FILTER, FERRITE 1UH TAPING
FB402	125-022K	FILTER, FERRITE 1UH TAPING
FB802	125-022K	FILTER, FERRITE 1UH TAPING
FB805	125-022K	FILTER, FERRITE 1UH TAPING
FB852	125-022K	FILTER, FERRITE 1UH TAPING
FB853	125-022K	FILTER, FERRITE 1UH TAPING
FB855	125-022K	FILTER, FERRITE 1UH TAPING
FB856	125-022K	FILTER, FERRITE 1UH TAPING
FB901	125-123A	FILTER, FERRITE BFD3565R2F(TAPING)
FB902	125-022K	FILTER, FERRITE 1UH TAPING
FL201S	6200VKR001B	FILTER, LPF 2EA SMD TH355LSK-K5214
FL202S	6200VKR001A	FILTER, LPF 1EA SMD H354LAI-K5206
FL203S	6200VKR001A	FILTER, LPF 1EA SMD H354LAI-K5206
FL301	125-022K	FILTER, FERRITE 1UH TAPING
FL302	125-022K	FILTER, FERRITE 1UH TAPING
J14	125-022K	FILTER, FERRITE 1UH TAPING
J814	125-022K	FILTER, FERRITE 1UH TAPING
J831	125-022K	FILTER, FERRITE 1UH TAPING
L101	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM
L102	125-022K	FILTER, FERRITE 1UH TAPING
L104	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM
L105	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM
L106	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM
L152	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM
L201	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM
L202	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM
L401	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM
L402	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM
T1101	150-F06T	FILTER, SQE3535 20MH PHY TURN
T811	150-F06T	FILTER, SQE3535 20MH PHY TURN
X001	156-A01L	RESONATOR,6.000MHZ 30PPM 16PF BK
X101	6202VDB007B	RESONATOR,20.250MHZ 30PPM 13PF BK

LOCA. NO	PART NO	DESCRIPTION
X102	166-E02F	RESONATOR,MURATA 500KHZ BK .
X401	156-A01E	RESONATOR,4.000MHZ 30PPM 15PF BK
X601	156-A02M	RESONATOR,18.432MHZ 30PPM 10PF BK
ACCESSORIES		
A1	3828VD0433A	MANUAL,OWNERS NEU LG EN 112 TX
A1	3828VA0433H	MANUAL,OWNERS RUS/BZ03 LG RU/EN
A1	3828VD0433M	MANUAL,OWNERS AMATIS LG EN 112D TX
A2	6710V00125A	REMOTE CONTROLLER,MC035A NON 32FZ40
A6	6851V00022C	CABLE,COAXIAL(150MM),UL1365#26 VW-1
MISCELLANEOUS		
F1101	0FS4001B53C	FUSE,SLOW BLOW 4000MA 250 V 5.2X20
JA1	6613V00010A	JACK ASSY,PMJ016A PARK ELEC A/V 3P+S
JA201	6612VJH022B	JACK,RCA PPJ125B A/V 10P MONO 2X5 TYPE
JA201-1	6612JH003FD	JACK,RCA PPJ146A PARK ELEC. (3P*3P*3P) 90
LED1102	3720V00214A	PANEL ASSY,RT-29FB90RB NON DIGITAL
RL801	6920VB1001E	RELAY,OEG 5V 0.05A 250V 5A 100 OHM 1A
SG904	6918VAX002D	SPARK GAP, 300V 20% AXIAL TYPE 5MM
SG905	6918VAX002D	SPARK GAP, 300V 20% AXIAL TYPE 5MM
SG906	6918VAX002D	SPARK GAP, 300V 20% AXIAL TYPE 5MM
SG907	6918VAX002H	SPARK GAP, 1200V -100V,+300V AXIAL TP
SG908	6918VAX002D	SPARK GAP, 300V 20% AXIAL TYPE 5MM
SK902	6620VBD002A	SOCKET (CIRC),CPT PCS029A 9PIN 14/360
T402	6174V-6010A	FBT ,6174Z-6005S 29 JEONGWOO 13V
TH801	163-058D	THERMISTOR,JA HWA 7 OHM 20% 80/60
TH810	163-048D	THERMISTOR,KL15L2R5 +/- 15% 125V
TU102	6700MF0001D	TUNER,TAFD-Z241P LG FS 4SYS,2 IN 1,SUB
ZN1101	164-003K	VARISTOR,SVC621D-14A 620V 0% UL/CSA/VDE

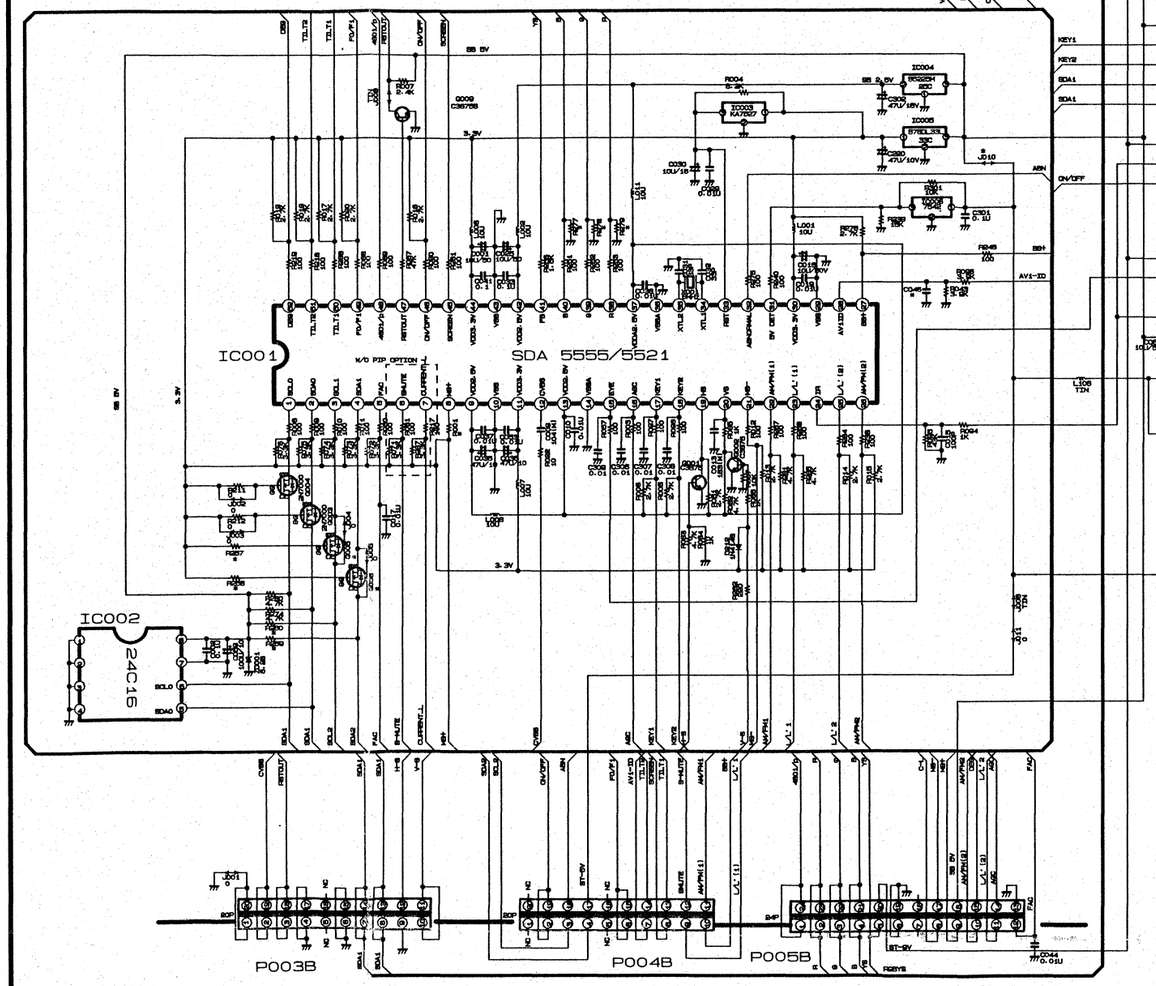
LOCA. NO	PART NO	DESCRIPTION

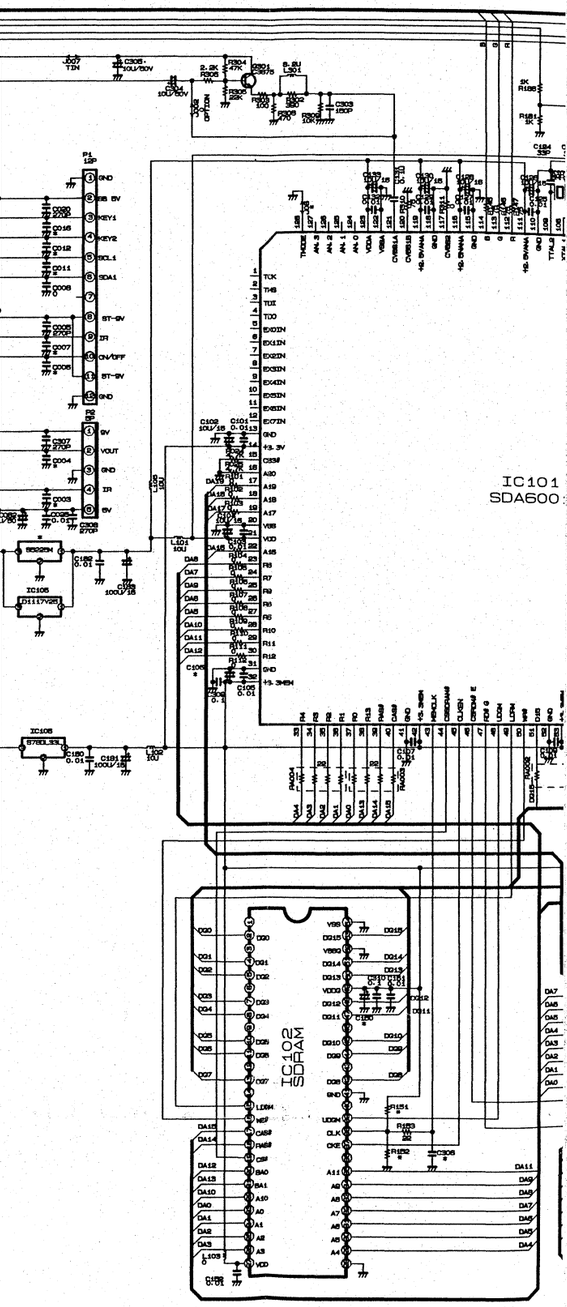
CIRCUIT DIAGRAM FOR MC-035A

<SIDE AV>



<MICOM BOARD>





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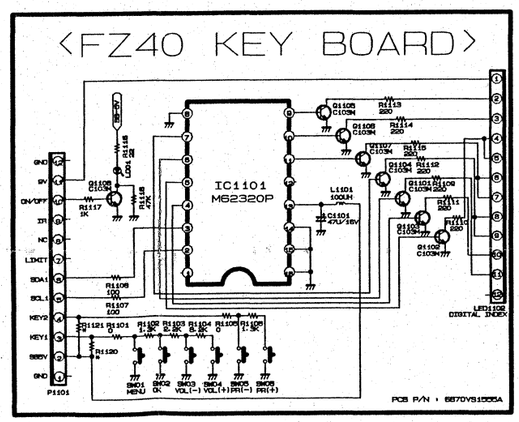
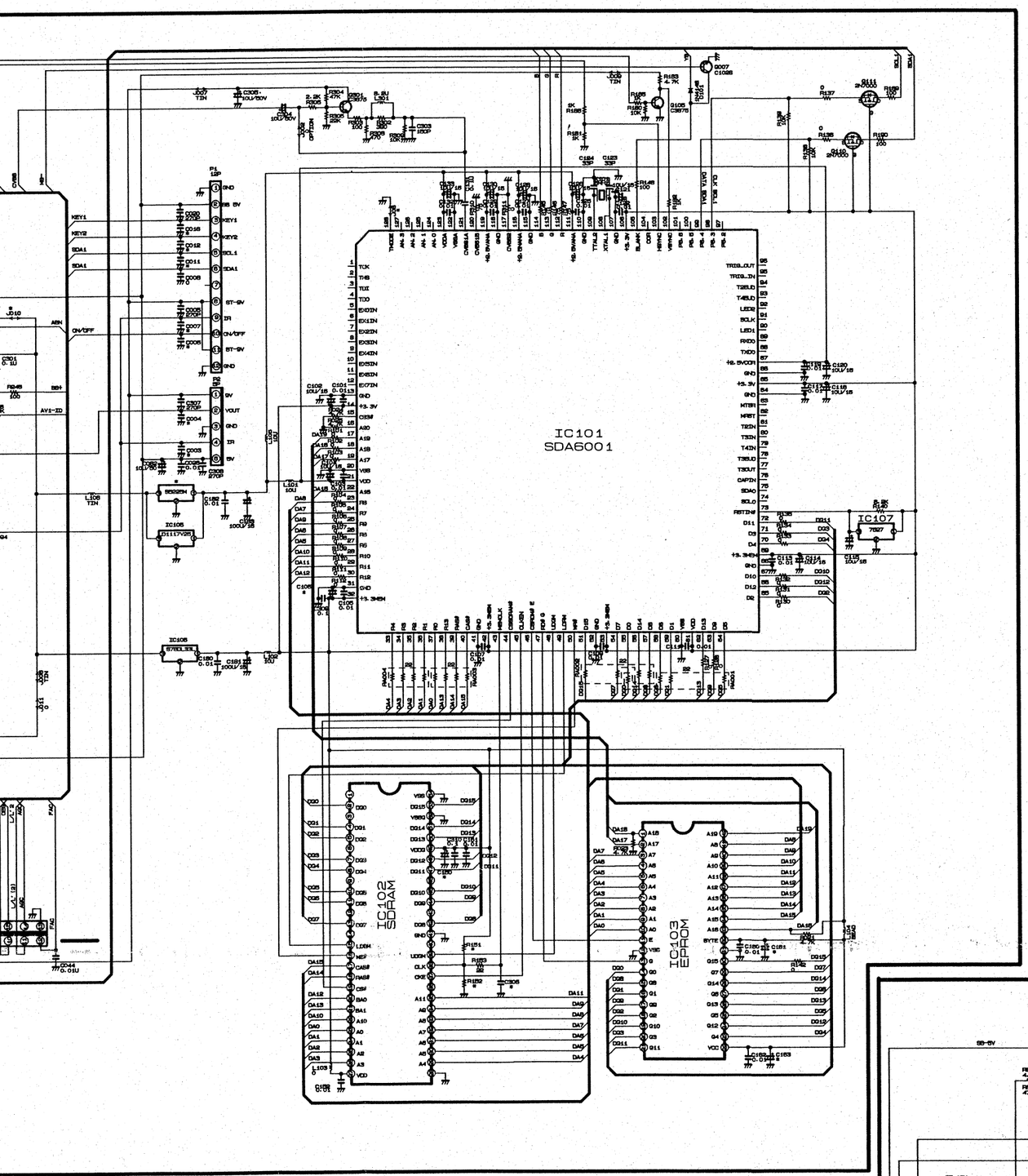
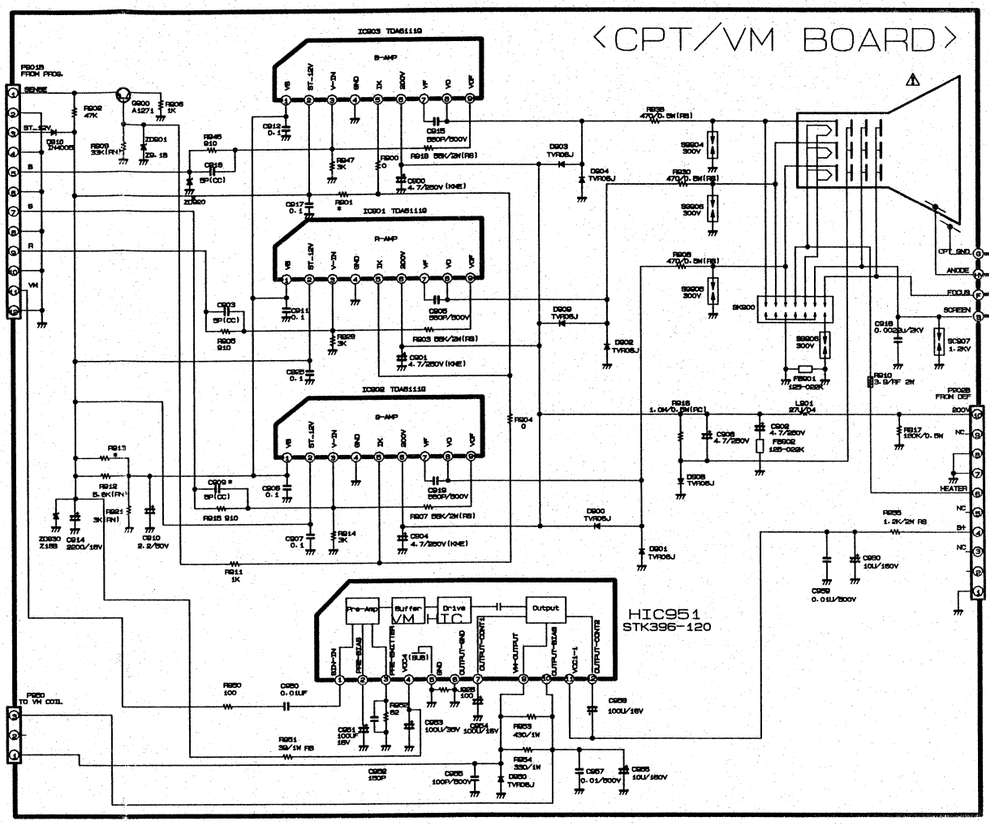
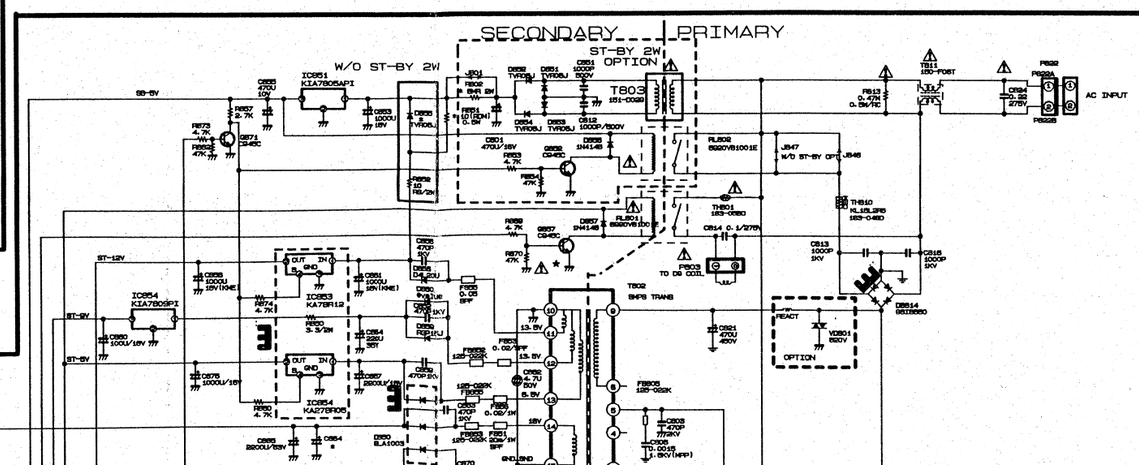


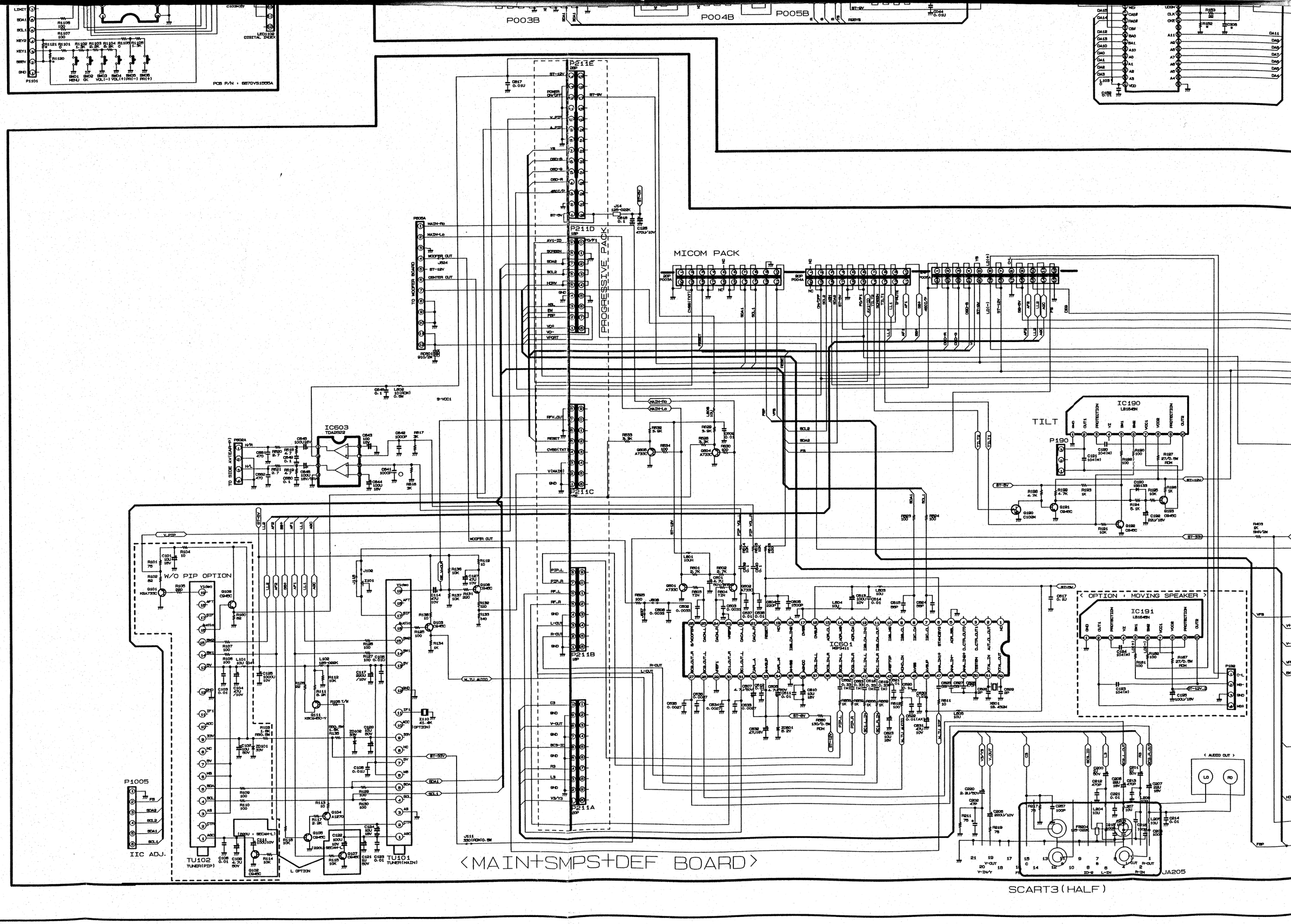
MICOM PACK

OR MC-035A CHASSIS(N-EU)32"








P003B
P004B
P005B
P211E
P211D
PROGRESSIVE PACK
P211C
P211B
P211A
MICOM PACK
IC603
TDA2822
IC190
LB1648N
TILT
P190
IC191
LB1648N
< OPTION : MOVING SPEAKER >
IC601
M5F3411
W/O PIP OPTION
TU102
TUNER(PIP)
TU101
TUNER(MAIN)
L OPTION
IIC ADJ.
P1005
P1101
PCB P/N : 6870VS1505A
MODFER OUT
TO MODFER BOARD
TO SIDE AV(EAR-P)
< AUDIO OUT >
JA205
SCART3(HALF)
<MAIN+SMPS+DEF BOARD>

SECONDARY PRIMARY

ST-BY 2W OPTION

W/O ST-BY 2W

T803 151-0068

AC INPUT

W/O ST-BY 2W OPTION

B+ OCP OPTION

TILT

IC190 LB1648N

P190

< OPTION : MOVING SPEAKER >

IC191 LB1648N

< AUDIO OUT >

JA205

SCART3(HALF)

IC301 LA7845

V-DY

H-DY

TO CPT

IC401 KIA4558

IC903 LTV817M

IC904 STR-S6308

IC936 SE140N

< PINCUTION COMPENSATION >

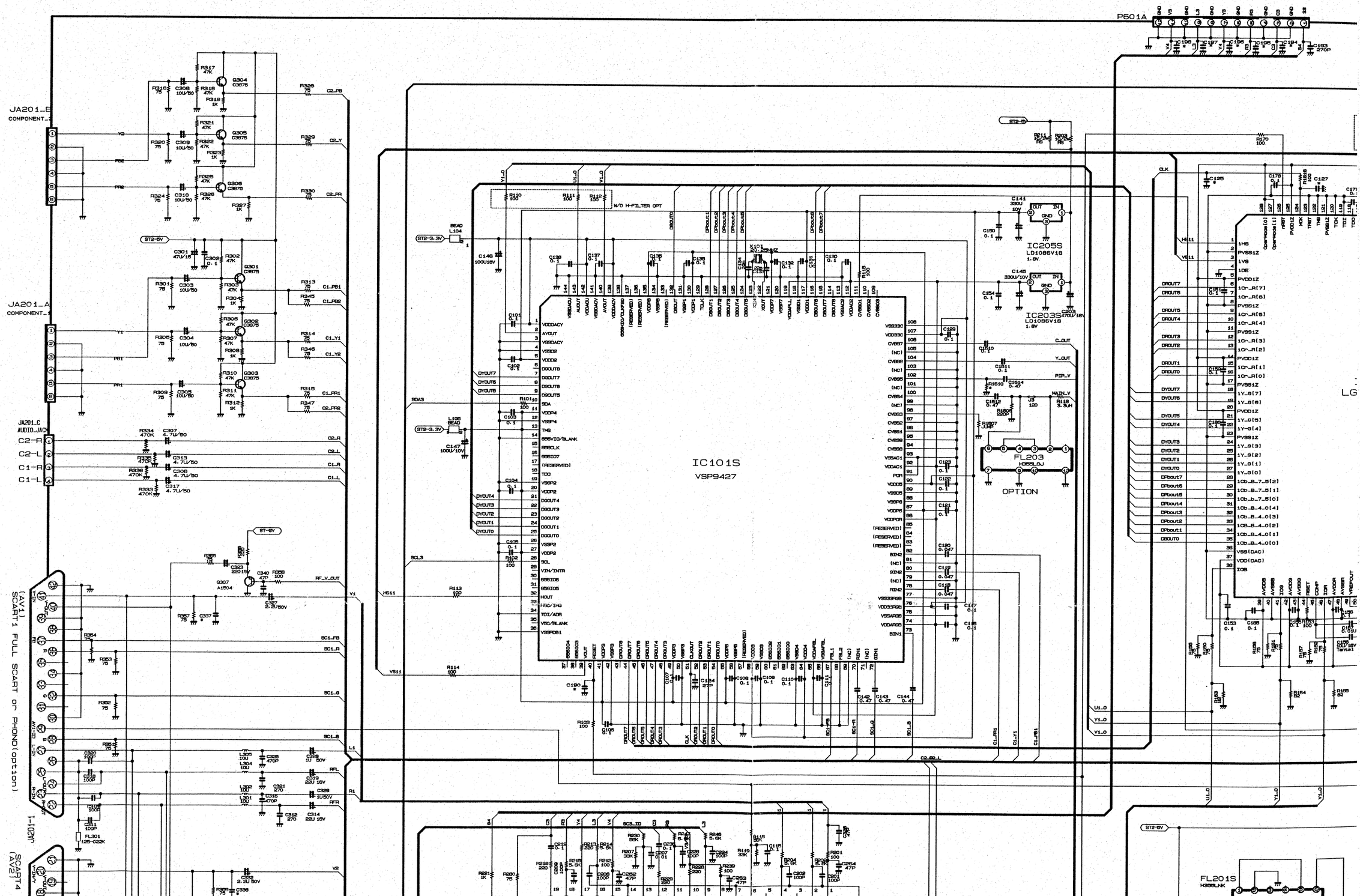
P/N: 3854VA0123A-S1(1/2)

DATE: 2003.07.17

MC-035A MAIN 32" (N-EU)

E : WITH PLATE

MC-035A CHASSIS PROGRESSI



OGRESSIVE CIRCUIT(FOR PAL)

P601A

OPTION

P101A
10P_ANGLE
PC_IN

P901A
12P_ANGLE
TO_CPT

IC205S
LD1086V18
1.8V

IC203S
LD1086V18
1.8V

IC102S
LGDT1000B

IC501S
CXA2150AQ

IC207S

IC106S
LA7217

FL203
H3626LOJ

FL201S
H3626LNK

M/D H-FILTER OPT

FREQ. SW

FO	F1	FUNC.
OPEN	LOW	31.5KHz
LOW	OPEN	33.92KHz

480PX1080I

IC401S
CXA2151Q

IC106S
LA7217

IC206S
KA78R05

IC202S
PQ3RF23

IC204S

FL201S
H356LNK

FL202S
H354LA1

FL203S
H354LA1

OPTION

W/O LPF OPT.

FREQ. SW		
FD	F1	FUNC.
OPEN	LOW	31.5KHz
LOW	OPEN	33.8KHz

480P/1080I

HC-035A PROGRESSIVE CIRCUIT

P/N: 3854VA0123A-S1(2/2)

DATE: 2003.07.17

IC201S
CXA2069Q

SCART1 FULL SCART or PHONO(option)
(AV1)

SCART4 HALF SCART or PHONE (option)
(AV2)

PHONO JACK OPT
JA203

OPTION